

Close Out Documents

AP-83 – 4625 Milwaukee St.

Asbestos Abatement and Structural Demolition

Prepared for:

Kiewit Infrastructure Co.
Attn: Megan Wood
160 Inverness Drive West, Suite 110
Englewood CO 80112

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1. Closeout Letter

February 11, 2019

Kiewit Infrastructure Co.
160 Inverness Drive West, Suite 110
Englewood, CO 80112

Re: SSCR AP-83 4625 Milwaukee St.

Dear Kiewit Infrastructure Co.

This letter is confirm that all the work associated with the asbestos abatement and demolition of the structure located at 4625 Milwaukee St. Denver, CO 80216, also referred as parcel AP-83, is complete.

The scope of work included the removal of Regulated Building Materials (RBMs), asbestos abatement, demolition of a 1,158 square foot residential structure and the removal of the curb and driveway. In addition, during the initial excavation to cut and cap the water line some pieces of asbestos containing, nonfriable floor tile were observed by the onsite CABI. Prior to demolition, JKS removed the contaminated soil and disposed of it appropriately.

This document has been prepared to furnish you with key documents associated with this project for your records.

On behalf of the JKS Industries team, we would like to extend our appreciation to working with you on this project and look forward to working with you in the future.

Regards,



Jeffrey Knight,
President

2. CDPHE Asbestos Abatement Permit

ASBESTOS ABATEMENT PERMIT

This permit is granted subject to Colorado Air Quality Control Commission Regulation No. 8, Part B, adopted December 21, 2007, and effective January 30, 2008, the Colorado Air Pollution Prevention and Control Act (25-7-101 or 25-7-501 et seq., C.R.S.) and the following provisions. It is only for the purpose of allowing asbestos abatement.

ADDITIONAL PERMIT PROVISIONS:

By performing work under this permit the abatement contractor agrees that the Division may revoke or suspend this permit should the Division find that the contractor:

- has violated or has aided and abetted in the violation of 25-7-101 or 25-7-501 et seq., C.R.S. or Regulation No. 8, Part B, or an order of the Division or Commission,
- has failed to meet any permit and notification requirement or failed to correct any violations cited by the Division during any inspection within a reasonable period of time, as may be determined by the Division,
- has used misrepresentation or fraud in obtaining this permit, or,
- has committed any act or omission which does not meet generally accepted standards of the practice of asbestos abatement.

As a contractor, you may be subject to other licenses and permits, depending on the requirements of the county and municipality in which the work is being performed. The Colorado Department of Public Health and Environment, Air Pollution Control Division strongly suggests that you check with county and municipal authorities in order to determine any other local building/permitting requirements that must be met.

THE ORIGINAL PERMIT MUST BE POSTED ON SITE AT ALL TIMES.

Immediately notify the Asbestos/IAQ Unit of project modifications by fax (number above) or e-mail (address above) and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates, etc.

This asbestos abatement permit is valid beginning 10/23/2018 through 11:59 PM on 10/22/2019.

The actual scheduled work dates are from 12/6/2018 through 12/19/2018.

Approval issued on: 11/5/2018

Record number: 143023

Notice Number: 18DE7238A-18

Variance: None

Comments: None

For the location specified below:

**AP-83 residential
Multiple locations
4625 Milwaukee St.
Denver
Denver County**

This permit has been issued to:

**JKS Industries, LLC
747 Sheridan Blvd Unit 9A
Lakewood, CO 80214**

Fee paid:

Check number:

Project Supervisor:

Andre M. Williams

Cerification No.: 15776

Project AMS:

Logan Greenfield

Cerification No.: 20715

Project Manager:

WAIVED

Certification No.: 15045

Issued by: CA





**Colorado Department
of Public Health
and Environment**

ASBESTOS ABATEMENT NOTIFICATION and PERMIT APPLICATION FORM
FEE MUST ACCOMPANY THIS FORM. INCOMPLETE APPLICATIONS WILL BE RETURNED.

<p>Single Family Residential Dwelling (SFRD) > 50 LF or 32 SF or a 55-gal. drum, but ≤ 260 LF or 160 SF or a 55-gallon drum</p> <p>[code 2001] <input type="checkbox"/> \$0 [code 2051] <input type="checkbox"/> \$60 [code 2101] <input type="checkbox"/> \$60 [code 2301] <input type="checkbox"/> \$180 [code 2901] <input type="checkbox"/> \$300 [code 2651] <input type="checkbox"/> \$420 [code 18012801] <input type="checkbox"/> \$55</p>	<p>Public and Commercial Building, School, and Single-Family Residential Dwelling: > 260 LF or 160 SF or a 55-gallon drum</p> <p>[code 1001] <input type="checkbox"/> \$0 [code 1051] <input type="checkbox"/> \$80 [code 1101] <input type="checkbox"/> \$80 [code 13012321] <input type="checkbox"/> \$400 [code 19012921] <input type="checkbox"/> \$800 [code 16512671] <input type="checkbox"/> \$1200 [code 1751] <input type="checkbox"/> \$80</p>	<p>Submit form to: Permit Coordinator Colorado Dept. of Public Health and Environment APCD-IE-B1 4300 Cherry Creek Drive South Denver, CO 80246-1530 Phone: 303-692-3100 Fax: 303-782-0278 asbestos@state.co.us</p>
<p>Courtesy Notice Non-Public Access Notice (Opt Out) Notice 30-Day Permit 90-Day Permit 365-Day Permit Notice or Permit Transfer</p>	<p>Courtesy Notice Non-Public Access Notice Notice 30-Day P&C/SFRD Permit 90-Day P&C/SFRD Permit 365-Day P&C/SFRD Permit Phase <u>4</u> of Multiple Phase-Permit #</p>	

<p>Abatement Contractor</p> <p>Company Name: JKS Industries Street Address: 747 Sheridan Blvd. Unit 9A City: Lakewood Telephone #: (303) 238-0207 Project Supervisor: George Thomas</p>		<p>Abatement Site</p> <p>Building Name: AP-83 Residential Specify location in the building where work will take place (e.g. floor, room, wing, etc.): Bedrooms, Kitchen, Hallway, Closet and Living Room Street Address: 4625 Milwaukee Street City: Denver Building Contact: Doug Messier</p>		<p>Building Owner</p> <p>Owner Name: CDOT Contact: Anthony Davito Street Address: 2000 S. Holly St. City: Denver Telephone #: (303) 512-5900</p>	
<p>Project Personnel</p> <p>CO Project Mgr. Name: See Project Manager Waiver form from CDOT Cell Phone #: () CO Project Designer Name: Daniel Benecke Cell Phone #: (303) 232-2660 Consulting Firm Name: All Phase Consulting, Inc. A.M.S. Name: Logan Greenfield Cell Phone #: (719) 545-0375 CO A.M.S. Cert #: 20715</p>		<p>Project Information</p> <p>Start Date: 12/06/2018 End Date: 12/19/2018 Start Time: 6:30am AM End Time: 5:00 PM Check the day(s) of operation: Su <input type="checkbox"/> M <input checked="" type="checkbox"/> Tu <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> Th <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> Sa <input checked="" type="checkbox"/> Emergency? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Type of ACM: TS, Texture, VAT, etc. Plaster and TDW Linear Feet / Type: 1746 SF of Plaster Square Feet / Type: 990 SF of TDW</p>		<p>Disposal Site</p> <p>Landfill Name: Denver Arapahoe Disposal Street Address: 3500 South Gun Club Road City: Aurora State: CO Zip code: 80018</p>	
<p>CDPHE Use Only</p> <p>Permit #: 1038A18 Record #: 140033 Date Issued: 10/19/18</p>		<p>Postmark or Delivery date: 10/19/18 Form of Payment & #: Approved by: PM req'd? Y N <input checked="" type="checkbox"/></p>		<p>Permit # 1038A18 Record # 140033 Date Issued: 10/19/18</p>	

Please describe below the work practices and procedures to be employed in conducting the abatement of asbestos. **BE SPECIFIC.** Indicate type(s) of ACBM to be abated (e.g. VAT, ceiling tile, TSI, etc.). Use another page if necessary.

This Phase 1 project will consist in removal and disposal of 1746 SF of Plaster and 990 SF of TDW with in a full containment. The friable materials will be removed using small hand tools (carpenters hammer, cats claw, crow bar and chisels) the material will be kept wet (1500 psi airless sprayer with amended water). The full containment will employ negative air pressure greater than -0.02cw, a fully functional decon, 1'x1' view port and two chamber waste loadout. All work will be in accordance with Colorado Regulation #8 Part B. The full containment will be inspected and cleared by a State Certified AMS.

OCT 19 2018

3. CDPHE Demolition Permit

Colorado Department of Public Health and Environment
Air Pollution Control Division – Indoor Environment Program – Asbestos/IAQ Air Unit
4300 Cherry Creek Drive South, APCD-IE-B1
Denver, Colorado 80246-1530
Phone: 303-692-3100 – Fax: 303-782-0278
E-mail: asbestos@state.co.us

DEMOLITION APPROVAL NOTICE

This approval notice is granted subject to Colorado Air Quality Control Commission Regulation No. 8, Part B, adopted December 21, 2007, and effective January 30, 2008 and the Colorado Air Pollution Prevention and Control Act C.R.S. (25-7-101 and 25-7-501 et seq). This notice signifies that the structure was inspected for asbestos, luminous exit signs (containing radioactive material), and Ozone-Depleting Refrigerants and the demolition contractor has properly notified the Colorado Department of Public Health and Environment pursuant to Regulation No. 8, Part B.

As a contractor, you may be subject to other demolition licenses and permits, depending on the requirements of the county and municipality in which the work is being performed. The Colorado Department of Public Health and Environment, Air Pollution Control Division, strongly suggests that you check with county and municipal authorities in order to determine any other local building/permitting requirements that must be met.

Please note that certain asbestos-containing materials (ACM) may remain in the structure during demolition. Therefore, any demolition debris left behind after the completion of post-demolition site cleanup may constitute a "reason to know of asbestos-contaminated soil" at the site, subject to the requirements of Section 5.5 of the Solid Waste Regulations (6 CCR 1007-2, Part 1).

THE ORIGINAL APPROVAL NOTICE MUST BE POSTED ON SITE AT ALL TIMES.

Immediately notify the Asbestos/IAQ Unit of project modifications by fax (number above) or e-mail (address above) and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates, etc.

This demolition approval notice is valid beginning 12/26/2018.

The actual scheduled work dates are from 12/26/2018 through 1/31/2019.

Approval issued on: 12/27/2018

Record number: 144526

Notice Number: 18DE8623D

For the location specified below:

AP-83 Residential

4625 Milwaukee St.

Denver

Denver County

Fee Paid: \$60.00

Check number: 5845

Asbestos Building Inspector:

Logan Greenfield

Cerification No.: 20715

Inspection Date: 12/19/2018

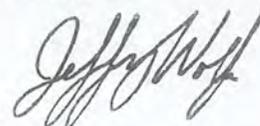
This notice has been issued to:

JKS Industries, Inc.

747 Sheridan Blvd. Unit 9A

Lakewood, CO 80214

Issued by: JW





DEMOLITION NOTIFICATION APPLICATION FORM

APPLICATION FEE MUST ACCOMPANY THIS FORM
INCOMPLETE APPLICATIONS WILL BE RETURNED

(Notice will be mailed to the demolition contractor unless specified otherwise)

Fee: \$50 + \$5 per 1000 ft² of area to be demolished = \$ 60.00
(See instruction #1 on reverse side)

Submit form to:
Permit Coordinator
Colorado Dept. of Public
Health and Environment
APCD-IE-B1
4300 Cherry Creek Drive
South
Denver, CO 80246-1530
Phone: 303-692-3100
Fax: 303-782-0278
Asbestos@state.co.us

olorado Department
of Public Health
and Environment

Demolition Contractor	Company Name: JKS Industries		Building Name: AP-83 Residential			
	Street: 747 Sheridan Blvd. #9A		Square footage of footprint of facility or portion of facility to be demolished 1158			
	City: Lakewood	State: CO	Zip Code: 80214	Street: 4625 Milwaukee St.		
	Telephone # (303) 238-0207	Fax # (303) 238-0452	City: Denver		Zip Code: 80216	
	Project Manager: Jeffrey Knight	Cell Phone # (720) 402-4410	County: Denver		Proposed Start Date 12/26/2018	
	I certify that the Certified Asbestos Building Inspector has informed me about any remaining asbestos-containing materials in the facility to be demolished.		Proposed Completion Date 1/31/2019		Method/Mean of Demolition: <input checked="" type="checkbox"/> Wrecking <input type="checkbox"/> Burning [†] <input type="checkbox"/> Implosion <input type="checkbox"/> Moving <input type="checkbox"/> Other, specify:	
	Signature: 	Print Name: Jeffrey Knight	† Burning requires additional authorization - Please call (303) 692-3100 and ask to speak to the Open Burning Permit Coordinator			
Landfill Receiving Building Debris: Denver Arapahoe Disposal Site						
Asbestos Removal Contractor	General Abatement Contractor (GAC) JKS Industries		Owner's Name: CDOT			
	CDPHE Asbestos Permit # 18DE7238A-18	Total Quantity of Asbestos Removed 2736 SF	Street: 2000 S Holly St.			
	Date Removal Completed 12-18-18	Telephone # (303) 238-0207	City: Denver	State: CO	Zip Code: 80222	
	Type(s) of Asbestos-Containing Material Removed: 1746 SF Plaster, 990 SF TDW		Contact's Name: Anthony DaVito			Telephone # (303) 512-5900
Certified Asbestos Inspector	With my signature below, I certify that I possess current AHERA accreditation and state of Colorado certification as an Asbestos Building Inspector. I also certify that I have thoroughly inspected the facility to be demolished, as listed in the Demolition Site block above, sampled all suspect materials, had all samples analyzed for the presence of asbestos by a NVLAP-accredited laboratory, and have determined that no Regulated ACM exists anywhere in the facility.* I also certify that I have informed the owner/operator of the facility or the demolition contractor that any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition. Specify type(s) of ACM remaining, below: (check appropriate box(es)):					
	<input type="checkbox"/> Vinyl asbestos floor tile (VAT) <input type="checkbox"/> VAT mastic <input type="checkbox"/> Tar/asphalt impregnated roofing <input type="checkbox"/> Asphaltic pipe coatings <input type="checkbox"/> Spray-applied tar coatings <input type="checkbox"/> Caulking <input type="checkbox"/> Glazing <input type="checkbox"/> Other, specify:					
	Signature: (In Blue Ink) 		Printed Name: Logan Greenfield			
Date of Final Inspection 12-19-18		CO Cert # 20715	Expiration Date Oct. 18, 2019	Telephone # (719) 545-0375	Cell Phone # (719) 250-0034	
Building Owner or Contractor	I verify that all refrigerants from air conditioning/refrigeration appliances have been properly recovered in accordance with AQCC Regulation No. 15 (for information on CFC requirements call 692-3100). I further verify that all luminous exit signs (containing radioactive material) have been disposed of in accordance with 6 CCR 1007-1 subpart 3.6.4.3 (for information, on luminous exit sign requirements call 303-692-3320).					
	CHECK THE APPROPRIATE BOX: <input type="checkbox"/> Building Owner <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Other					
Signature: 		Print Name: JEFFREY KNIGHT			Date: 12/19/18	
THIS BOX IS FOR CDPHE USE ONLY:						
Postmark or Hand Delivery Date: 12/19/18		Approved By: 		Code: <input checked="" type="checkbox"/> initial-310 <input type="checkbox"/> transfer-380		
Form of Payment & #: <u>check # 5845/60.00</u>		Permit #: <u>18D080231D</u>		Record #: <u>1445210</u>		
		Date Issued:				

* Regulated asbestos-containing materials means (a) friable asbestos-containing material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this regulation. Note: Asbestos-containing sheet vinyl and linoleum must be properly abated/removed prior to demolition.

APPROVED
DATE 12/24/18

4. JKS Asbestos Certifications



Colorado Department
of Public Health
and Environment

General Abatement Contractor

This certifies that

JKS Industries, LLC

GAC No.: 18531

has met the certification requirements of 25-7-507, C.R.S. and Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos abatement activities in the state of Colorado.

Issued: July 18, 2018

Expires: July 18, 2019


Annette Baselo
Authorized APCD Representative

SEAL

5. JKS Workers Asbestos Certifications

Colorado Department
of Public Health and
Environment



Supervisor



Asbestos Certification

George W.
Thomas

Expires: 10/25/2019 Cert. #: 17192

Date Issued: 10/16/2018

INTERNATIONAL

Environmental and Safety Training LLC
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660



CERTIFIES THAT

GEORGE W. THOMAS

Has successfully completed
The **EPA- APPROVED AHERA ANNUAL ASBESTOS REFRESHER**
COURSE for **CONTRACTOR/SUPERVISOR**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

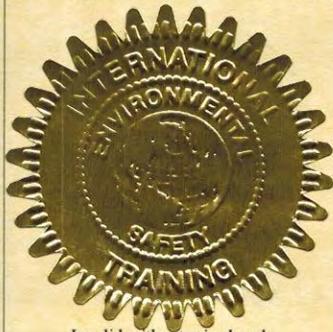
Course Date 10/06/2018

No. Hours 8

Certificate No. CO100618-04ASR

Expires 10/06/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

A handwritten signature in black ink, appearing to read 'F. Lucretia'.

Training Director

Midtown Occupational Health Services
2490 W. 26th Ave. Ste. 300-A Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name George Thomas

The above individual was seen by me on 02-06-2018 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was performed:

1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was was not required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2490 W. 26th Ave. Ste. 300-A Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

X There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

_____ There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations _____

Richard Kraus M.S., PA.-C
 Examining Provider

02/06/18
 Date

Richard Kraus M.S., PA.-C
 Midtown Occupational
 Health Services, P.C.
 2490 W. 26th Ave., Bldg. A, Suite 300
 Denver, CO 80211
 303-831-9393

Respirator Fit Test

I, GEORGE THOMAS acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 5 7 18 Fit Test Conductor: Ruben Domingo

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM LARGE
- 4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: [Signature]

Date: 5.7.18

Fit Test Conductor Signature: [Signature]

Date: 5/07/18

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

**Wilmer R
Andueza**

Expires: 4/2/2019 Cert. #:24445

Date Issued: 4/2/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

WILMER ANDUEZA

Has successfully completed

The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**

And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 03/19/2018 - 03/22/2018

Exam Date 03/22/2018

No. Hours 32

Certificate No CO032218-06AWI

Expires 03/22/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

Training Director

Midtown Occupational Health Services
 2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
 Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name Wilmer Andrusa

The above individual was seen by me on 3/28/18 in accordance to 29 CFR 1926.1101 (Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was performed:

1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was was not required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations _____

Richard Kraus M.S., PA.-C
 Midtown Occupational
 Health Services, P.C.
 2490 W. 26th Ave., Bldg. A, Suite 300
 Denver, CO 80211
 303-831-9393


 Examining Provider

03/28/18
 Date

Faint, illegible text or stamp, possibly a date or reference number.

JKS INDUSTRIES

RESPIRATOR FIT TEST

APPENDIX A – NORTH

EMPLOYEES WORKING UNDER THIS RESPIRATOR PROGRAM MUST ACKNOWLEDGE BY SIGNING THIS FORM. THEY HAVE BEEN FIT TESTED AND HAVE BEEN TRAINED FOR THE PROPER USE AND CARE OF THEIR RESPIRATOR. THEY HAVE READ AND UNDERSTAND THE COMPANY'S WRITTEN RESPIRATOR PROGRAM MANUAL.

Wilmer Andueza
EMPLOYEE NAME PRINTED OR TYPED

3/28/2018
DATE OF FIT TEST

Ruben Dominguez
FIT TEST CONDUCTOR

RESPIRATOR:

1. MANUFACTURER: North

2. MODEL: 7700M

3. SIZE: Medium

4. APPROVAL NUMBER: TC-84A-0592

IRRITANT SMOKE

[Signature]
TESTING AGENT

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

Monica E
Barrientos L

Expires: 10/23/2019 Cert. #: 25053

Date Issued: 10/23/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

MONICA E. BARRIENTOS LEPRI

Has successfully completed

The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**

And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 10/15/2018 - 10/18/2018
Exam Date 10/18/2018
No. Hours 32
Certificate No CO101818-03AWI
Expires 10/18/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Training Director

Invalid without raised seal

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name Monica Barrantos

The above individual was seen by me on 10-19-18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was performed:

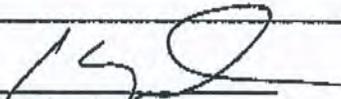
1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was was not required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

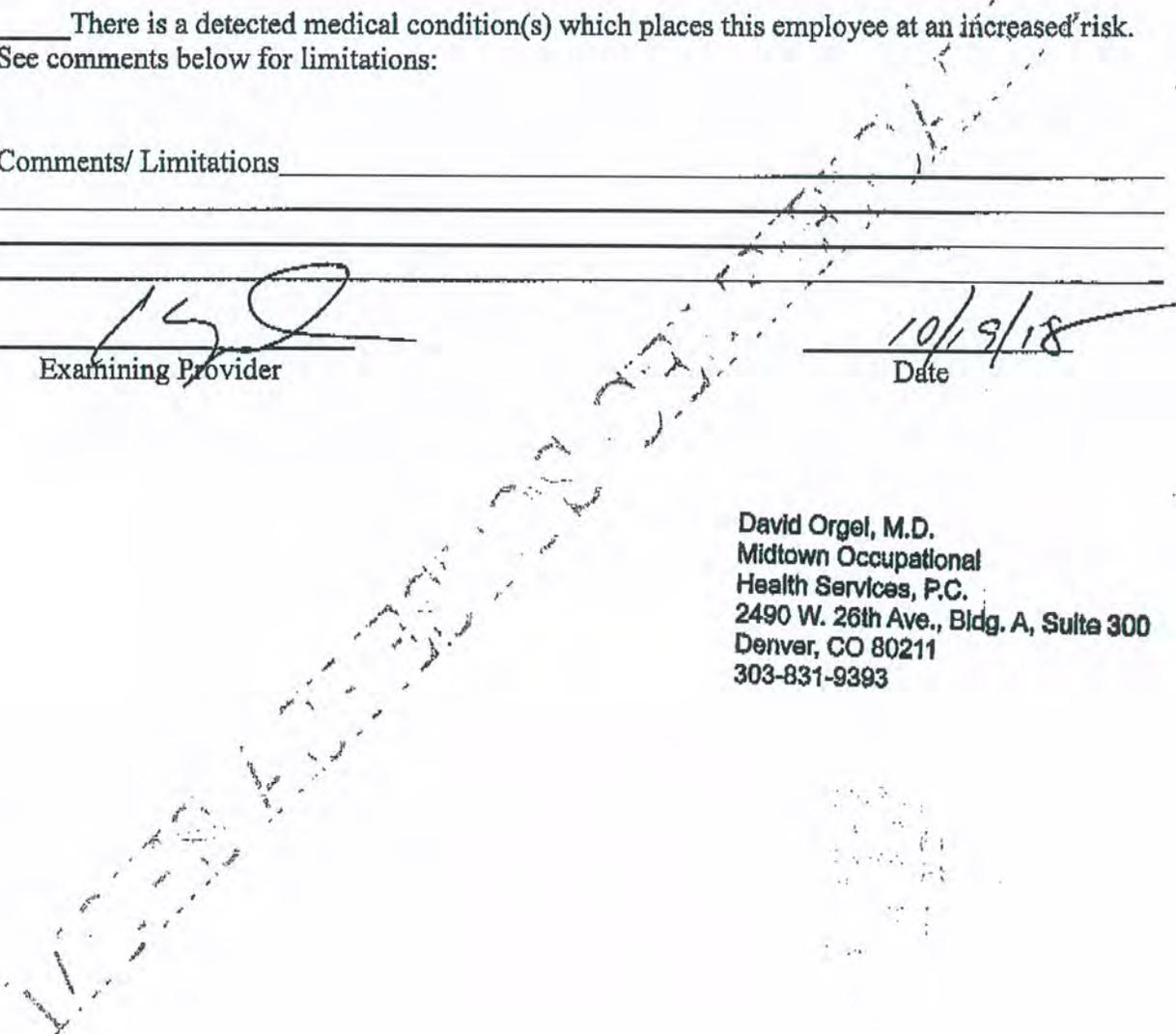
There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations _____


 Examining Provider

10/19/18
 Date



David Orgel, M.D.
 Midtown Occupational
 Health Services, P.C.
 2490 W. 26th Ave., Bldg. A, Suite 300
 Denver, CO 80211
 303-831-9393

Respirator Fit Test

I, Mónica Barrientos, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 10/24/18 Fit Test Conductor: Ruber Domingo

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM LARGE
- 4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: Mónica Barrientos

Date: 10/24/18

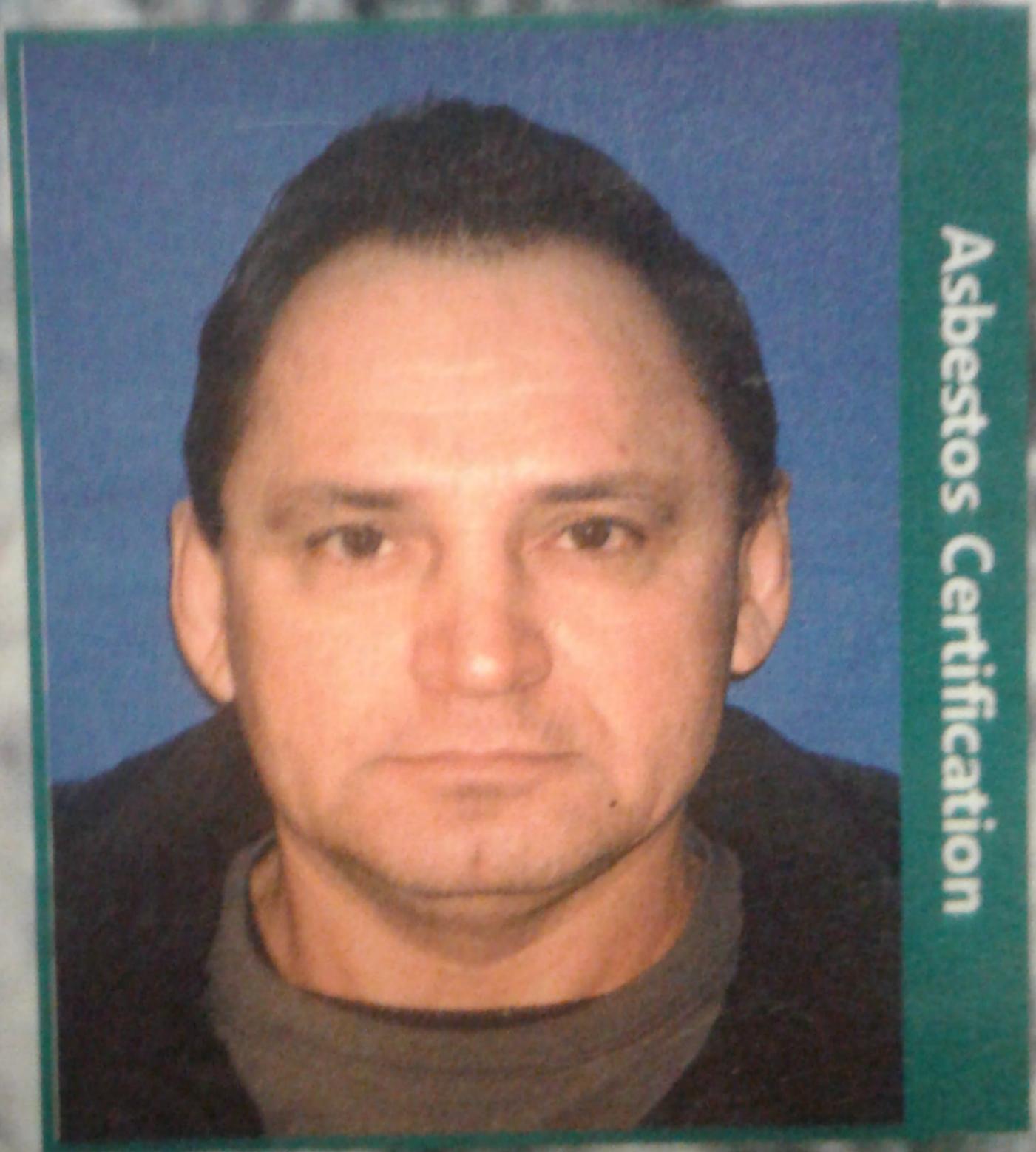
Fit Test Conductor Signature: Ruber Domingo

Date: 10/24/2018

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

Ricardo
Fuerte

Expires: 10/23/2019 Cert. #: 25051

Date Issued: 10/23/2018

INTERNATIONAL

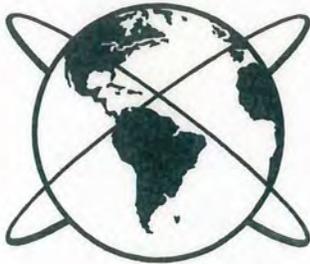
Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

RICARDO FUERTE MESA

Has successfully completed
The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 10/15/2018 - 10/18/2018
Exam Date 10/18/2018
No. Hours 32
Certificate No CO101818-04AWI
Expires 10/18/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

Training Director

Colorado Occupational Medical Partners

1390 S. Potomac St. Suite 136
Aurora, Co. 80012
Ph# 303.214.0000 Fax# 303.214.0326

PHYSICIAN'S WRITTEN OPINION - ASBESTOS

Applicant's Name: Ricardo Fuente

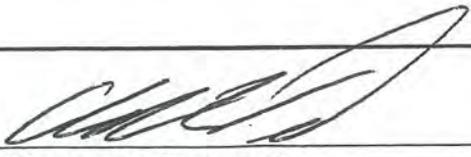
Address: _____

The above named was seen by me on 10/22/18, and in accordance with all applicable portions of OSHA's Asbestos Standard for the Construction Industry, 29 CFR 1926.1101, with which I am familiar, I have indicated by my initials, that I have performed the following.

1. Reviewed with this individual, his/her completed OSHA standardized Medical Questionnaire and Work History, directed towards the pulmonary, cardiovascular, and gastrointestinal, system; and
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, the personal protective and respiratory equipment to be utilized by the individual; and any additional medical information resulting from previous examinations; and
3. Conducted a physical examination of this individual with emphasis on the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1) and
4. Determined that a chest roentgenogram was ___ was not required as a part of this examination. (If required, the x-ray was taken and read in accordance with Appendix E of the Asbestos Standard); and
5. Determined that this individual may may not ___ use a respiratory device while performing his/her required employment services; and
6. Informed this individual that I have ___ have not detected a medical condition which would place this individual at an increased risk of material health impairment from exposure to asbestos; and
7. Informed this individual of the results of my examination and of any medical condition that may result from this individual's exposure to asbestos; and
8. Informed this individual of the health risks involved in smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Comments and/or Limitations (if any):

Charles Wenzel, DO
(Physician's Printed Name)


(Physician's Signature)

Colorado Occupational Medical Partners
1390 S. Potomac St. Suite 136 Aurora, CO 80012
P:303-214-0000 F:303-214-0335

(Physician's Phone No.)

(Physician's Address)

Respirator Fit Test

I, Ricardo Fuerte, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 10/24/18 Fit Test Conductor: Ruber Doming

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM LARGE
- 4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: [Signature]

Date: 10/24/18

Fit Test Conductor Signature: [Signature]

Date: 10/24/2018

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

Jean Carlos
Leccia-Coa

Expires: 6/20/2019 Cert. #: 24687

Date Issued: 6/20/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

JEAN CARLOS LECCIA COA

Has successfully completed

The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**

And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 06/11/2018 - 06/14/2018

Exam Date 06/14/2018

No. Hours 32

Certificate No CO061418-07AWI

Expires 06/14/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

Training Director

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name Jean Carlos Leccia

The above individual was seen by me on 6-18-78 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was performed:

1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was was not required as part of this examination. (note according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommendations.

Comments/ Limitations _____

Examining Provider *J. Raschbacher* _____ Date _____
J. Raschbacher, M.D.

J. Raschbacher, M.D.
 Midtown Occupational
 Health Services, P.C.
 2490 W. 26th Ave., Bldg. A, Suite 300
 Denver, CO 80211
 303-831-9393

Midtown Occupational Health Services

2490 W 26th Avenue
 Building A, Suite 300
 Denver, CO 80211

Leccia Coa, Jean Carlos

ID: 1993 Age: 25 (5/12/1993)

Gender	Male	Height	71 in	Asthma	No
Ethnicity	Hispanic	Weight	274 lb	BMI	38.2
Smoker	No			COPD	--

FVC (ex only)

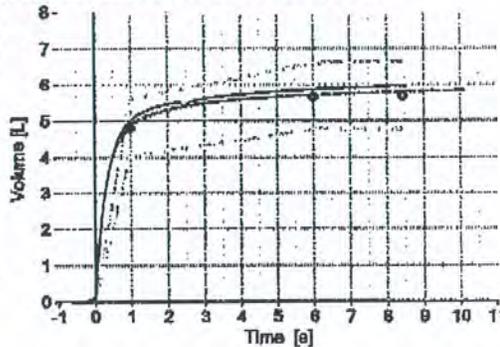
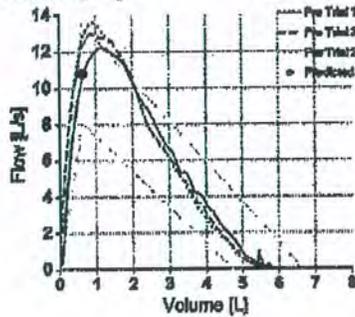
Your FEV1 / Predicted: 104%

Test Date	6/18/2018 11:44:10 AM	Interpretation	--	Value Selection	Best Value
Post Time		Predicted	Hankinson (NHANES III), 1999	BTPS (IN/EX)	1.11/1.02

Parameter	Pred	LLN	Pre				%Pred
			Best	Trial 1	Trial 3	Trial 2	
FVC [L]	5.70	4.76	5.95	5.95	5.82	5.82	104
FEV1 [L]	4.81	4.02	5.01	5.01	4.86	4.81	104
FEV1/FVC [%]	84.5	75.4	84.1	84.1	83.4	82.6	100
FEF25-75 [L/s]	5.20	3.43	5.62	5.62	5.32	5.05	108
PEF [L/s]	10.82	8.09	13.62	12.23	12.95	13.62	126
FET [s]	-	-	8.4	8.4	10.2	10.1	-

Session Quality

Pre C (FEV1 Var=0.15L (3.0%); FVC Var=0.19L (2.2%))



(Handwritten signature)

Respirator Fit Test

I, Juan Carlos Leccia Coa, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 6/21/2018 Fit Test Conductor: Ruben Lopez

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM **LARGE**
- 4. Approval Number: TC-84A-0592

Irritant/smoke used (Circle one)? **YES** NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: *Juan Carlos Leccia Coa*

Date: _____

Fit Test Conductor Signature: *Ruben Lopez*

Date: 6/21/2018

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

Tania
Padron

Expires: 10/23/2019 Cert. #: 25052

Date Issued: 10/23/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

TANIA PADRON

Has successfully completed

The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**

And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 10/15/2018 - 10/18/2018
Exam Date 10/18/2018
No. Hours 32
Certificate No CO101818-06AWI
Expires 10/18/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

A handwritten signature in black ink, appearing to read "T. Padron".

Training Director

Colorado Occupational Medical Partners

1390 S. Potomac St. Suite 136
Aurora, Co. 80012
Ph# 303.214.0000 Fax# 303.214.0326

PHYSICIAN'S WRITTEN OPINION - ASBESTOS

Applicant's Name: Tania Padron

Address: _____

The above named was seen by me on 10/22/18, and in accordance with all applicable portions of OSHA's Asbestos Standard for the Construction Industry, 29 CFR 1926.1101, with which I am familiar, I have indicated by my initials, that I have performed the following.

1. Reviewed with this individual, his/her completed OSHA standardized Medical Questionnaire and Work History, directed towards the pulmonary, cardiovascular, and gastrointestinal, system; and
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, the personal protective and respiratory equipment to be utilized by the individual; and any additional medical information resulting from previous examinations; and
3. Conducted a physical examination of this individual with emphasis on the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1) and
4. Determined that a chest roentgenogram was ___ was not required as a part of this examination. (If required, the x-ray was taken and read in accordance with Appendix E of the Asbestos Standard); and
5. Determined that this individual may may not ___ use a respiratory device while performing his/her required employment services; and
6. Informed this individual that I have ___ have not detected a medical condition which would place this individual at an increased risk of material health impairment from exposure to asbestos; and
7. Informed this individual of the results of my examination and of any medical condition that may result from this individual's exposure to asbestos; and
8. Informed this individual of the health risks involved in smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Comments and/or Limitations (if any):

Charles Weazel, DO
(Physician's Printed Name)

[Signature]
(Physician's Signature)

Colorado Occupational Medical Partners
1390 S. Potomac St. Suite 136 Aurora, CO 80012
P:303-214-0000 F:303-214-0335

(Physician's Phone No.)

(Physician's Address)

Respirator Fit Test

I, Tania padron, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 10/24/18 Fit Test Conductor: Ruben Domingo

Respirator Information

1. Manufacturer: North
2. Model: 7700M
3. Size (Circle one): SMALL MEDIUM LARGE
4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: EPL

Date: 10/24/18

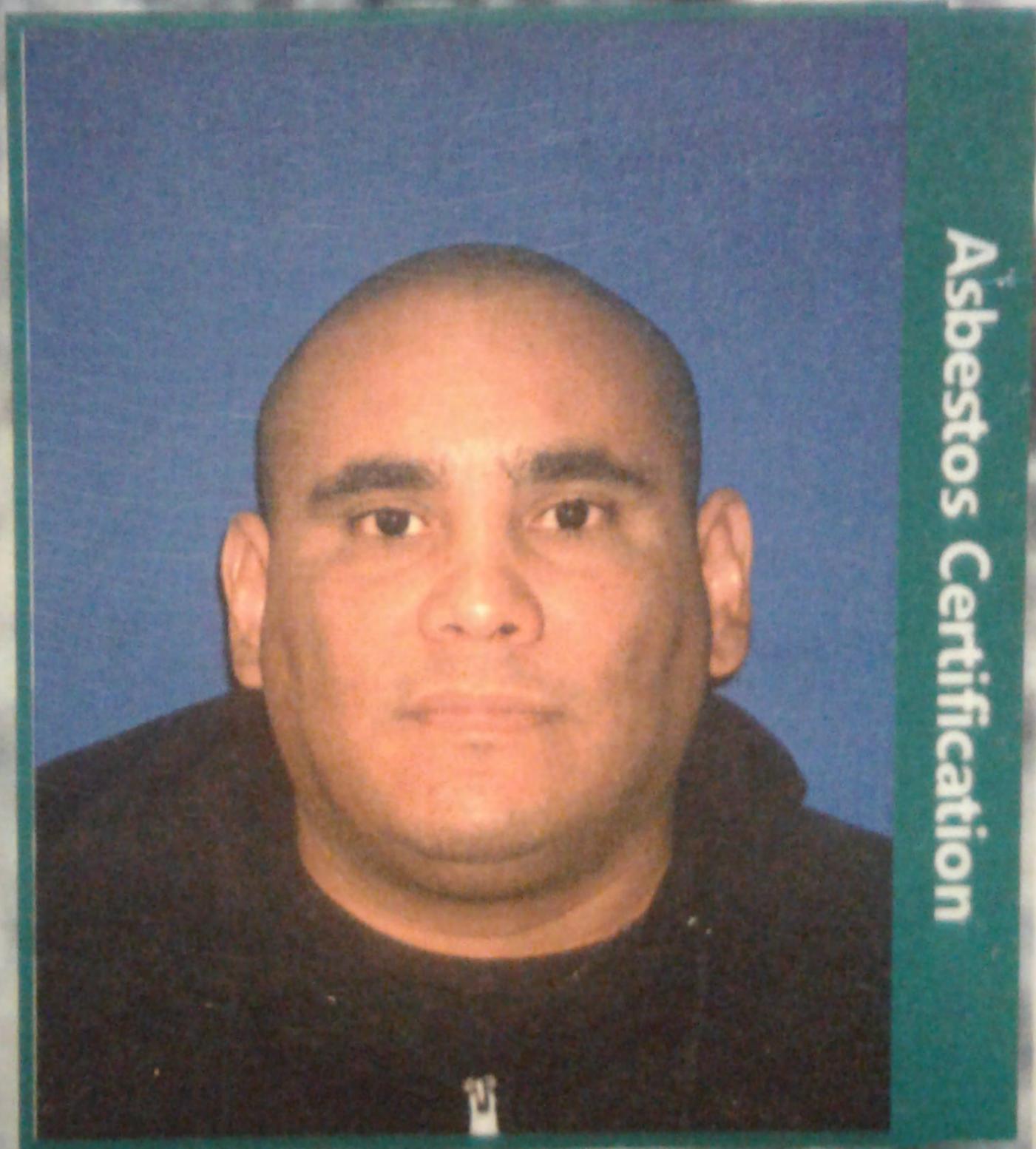
Fit Test Conductor Signature: [Signature]

Date: 10/24/2018

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

**Alfredo E
Rincon B**

Expires: 10/23/2019 Cert. #: 25054

Date Issued: 10/23/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660



CERTIFIES THAT

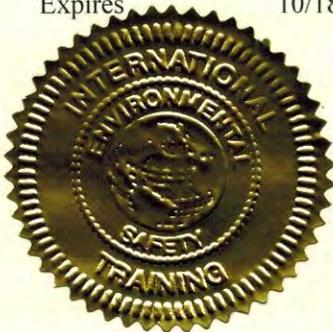
ALFREDO E. RINCON B.

Has successfully completed
The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 10/15/2018 - 10/18/2018
Exam Date 10/18/2018
No. Hours 32
Certificate No CO101818-01AWI
Expires 10/18/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

A handwritten signature in black ink, appearing to read 'F. Cuervo'.

Training Director

Midtown Occupational Health Services
 2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
 Phone: (303) 831-9393 Fax: (303) 831-6335
 OSHA Asbestos Certification

Applicants Name Alfredo Rincon

The above individual was seen by me on 10/9/18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was performed:

1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was was not required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required) *A + P B-reader*
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
 2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
 Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations No restrictions

[Handwritten Signature]

Examining Provider

10/19/18
Date

MOHS ASBESTOS CERTIFICATION

Lon Noel, M.D.
 Midtown Occupational
 Health Services, P.C.
 2490 W. 26th Ave., Bldg. A, Suite 300
 Denver, CO 80211
 303-831-9393

Respirator Fit Test

I, Alfredo Rincon, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 10/24/18 Fit Test Conductor: Ruber Dominguez

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM LARGE
- 4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: [Signature]

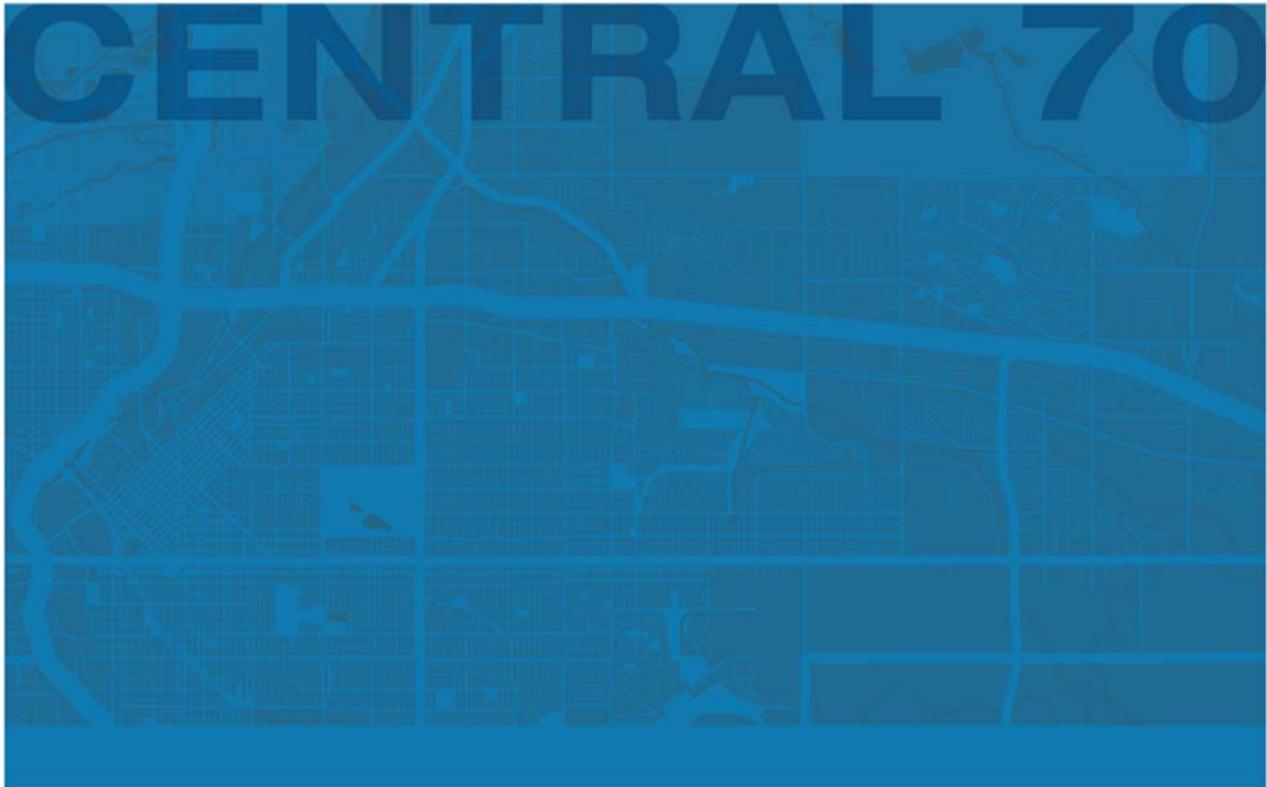
Date: 10/24/18

Fit Test Conductor Signature: [Signature]

Date: 10/24/2018

6. Project Design

6a. SSAR



July 26, 2018



Structure Survey Assessment Report AP-83

4625 Milwaukee Street.

Denver, CO 80216

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LIST OF REPORT ACRONYMS/ABBREVIATIONS

ACMs	Asbestos Containing Materials
AHERA	Asbestos Hazard Emergency Response Act
APEC	All-Phase Environmental Consultants
AMS	Air Monitoring Specialist
CABI	Colorado Asbestos Building Inspector
CDOT	Colorado Department of Transportation
CDPHE	Colorado Department of Public Health and Environment
CFCs	Chlorofluorocarbons
CFR	Code of Federal Regulations
EP	Environmental Professional
EPA	Environmental Protection Agency
FAA	Flame Atomic Absorption
LBP	Lead Based Paint
LCP	Lead Containing Paint
mg/L	Milligrams per Liter
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PCBs	Polychlorinated Biphenyls
PD	Project Designer
PEL	Permissible Exposure Limits
PLM	Polarized Light Microscopy
PPE	Personal Protective Equipment
ppm	Parts Per Million
RACM	Regulated Asbestos Containing Material
RBM	Regulated Building Materials
RCRA	Resource Conservation and Recovery Act
RHMs	Recognized Hazardous Materials
SSAP	Structure Survey Assessment Plan
TC	Toxicity Characteristic
TCLP	Toxicity Characteristic Leaching Procedure
USEPA	U.S. Environmental Protection Agency
UWR	EPA Universal Waste Rule

LIST OF SAMPLING ACRONYMS/ABBREVIATIONS

BM	Brick/Mortar
CB	Cove Base
CC	Concrete
CER	Ceramic Block
CM	Ceramic Tile/Mortar
CMU	Concrete Masonry Unit/Mortar
CP	Carpet
CT	Ceiling Tile
D	Drywall (no surfacing)
DJ	Drywall/Joint Compound
F	Flooring
FT	Floor Tile
IN	Insulation
L	Linoleum
M	Mastic
MF	Multiple layered Flooring
MT	Mortar
PC	Popcorn Ceiling
PL	Plaster
PM	Panel/Mastic
R	Roofing
RF	Roof Flashing
S	Siding
ST	Stucco
T	Texture (no substrate)
TC	Textured Composite Board
TD	Textured Drywall
TSI	Thermal System Insulation
VB	Vapor Barrier
VP	Vent Paste (heating/cooling systems)
VW	Vent Wrap (heating/cooling systems)
WC	Window Caulk
WD	Wallpapered Drywall

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Appendix B	Positive Asbestos Sample Material Photographs
Appendix C	Laboratory Results & Chain of Custody – Asbestos
Appendix D	Laboratory Results & Chain of Custody – Lead & TCLP

APEC Project # 18-3066-028

Prepared for

Kiewit Meridiam Partners

Prepared by

A handwritten signature in blue ink, appearing to read "Logan Greenfield", written over a horizontal blue line.

Logan Greenfield, CABI & AMS #20715
VP of Field Services

Reviewed by

A handwritten signature in blue ink, appearing to read "Brandice Eslinger", written over a horizontal blue line.

Brandice Eslinger, EP, CABI & PD # 5494
President

1 Introduction

All Phase Environmental Consultants Inc. (APEC) was contracted to complete an environmental building survey for suspect asbestos-containing material (ACM), lead-based paint (LBP), and regulated building material (RBM) at 4625 Milwaukee Street, Denver CO 80216. This survey will identify the materials that will need to be abated or removed prior to the future demolition activities.

Table 1 Project Details

Client Name:	Kiewit Meridiam Partners
Site Location:	4625 Milwaukee Street, Denver, CO 80216
Building Type	Residential Building
Building Size	Building is approximately 2,290 square feet
Construction Date:	1926 – Based on the City and County of Denver Assessor’s Records
Building Uses:	Residential
Types of Materials to be Disturbed/Description of Proposed Disturbances:	Client intends to demolish the structure. All building materials will be impacted.

This Structure Survey Assessment was conducted as part of the Central 70 Project located in Denver, Colorado. This assessment was conducted in accordance with the Structure Survey Assessment Plan (SSAP), dated March 27, 2018. The SSAP, as defined in Section 23.13.2 of Schedule 17 (Environmental Requirements) of the final Central 70 Project Agreement between the Colorado Department of Transportation (CDOT) and Kiewit Meridiam Partners, identifies the procedures for completing building and structure surveys for ACMs, LBP and universal wastes or other Recognized Hazardous Materials (RHMs), as defined by the Resource Conservation and Recovery Act (RCRA); universal waste, as defined by the U.S. Environmental Protection Agency (EPA) and 6 Code of Federal Regulations (CCR) Part 273 of the Colorado Hazardous Waste Regulations; chlorofluorocarbons (CFCs), as defined by the Clean Air Act; and polychlorinated biphenyls (PCBs), as defined by the Toxic Substances Control Act.

2 Site Survey Methodology

2.1 ASBESTOS SURVEY

On June 29, 2018, APEC certified personnel Logan Greenfield conducted an asbestos survey for demolition at 4625 Milwaukee Street, Denver, CO 80216. The asbestos survey (inspection/sampling) was completed in accordance with the SSAP and follows guidelines established under the EPA's Asbestos Hazardous Emergency Response Act (AHERA) program and as required by USEPA regulation 40 Code of Federal Regulations (CFR) Part 61, National Emissions Standards for Hazardous Air Pollutants (NESHAP). Bulk sampling of suspected ACMs was performed in strict accordance with AHERA sampling procedures detailed in 40 CFR 763.86. These include but are not limited to labeling each sample, recording each sample on a chain of custody, taking a photo of the sample and recording the location on a site diagram. Demolition work could disturb materials that contain asbestos and put unprotected workers at risk, violating asbestos regulations, which are enforced by the Occupational Safety and Health Administration (OSHA), the EPA, the Colorado Department of Public Health and Environment (CDPHE), and the Denver County Health Department. All samples were collected and submitted to EMSL Analytical, Inc. in Denver, CO, per APEC chain of custody protocol. The laboratory is a member of the National Voluntary Laboratory Accreditation Program (NVLAP) and is qualified to perform the required analysis (Appendix A). The analysis conducted was the EPA Interim Method for the Determination of Asbestos in Bulk Samples, using standard Polarized Light Microscopy (PLM) and dispersion staining as established in 40 CFR Part 763.

This inspection report and methodology complies with the CDPHE Asbestos Sampling and Report Requirements Memorandum dated February 28, 2018.

2.2 LEAD-BASED PAINT SURVEY

On June 29, 2018, APEC certified personnel Rick Ralston conducted the LBP survey. The survey was conducted to evaluate the absence and/or presence of LBP or Lead Containing Paint (LCP) that will be impacted during future demolition activities. The survey consisted of reviewing and inspecting the interior, exterior and roof system of the structure for suspect LBP or LCP. The testing method makes use of a heat gun and/or scraper; removing a portion of the paint down to the substrate (material under the paint). Proper chain of custody procedures were followed and samples were sent to EMSL Analytical, Inc. in Cinnaminson, NJ, via Fed Ex. The samples were analyzed by total lead (percent by weight) via Flame Atomic Absorption (FAA) by EPA Method 7420. EMSL is accredited under the American Industrial Hygiene Association's Environmental Lead Proficiency Analytical Testing program. LBP, according to the EPA, is defined as paint that contains lead in concentrations greater than 1.0 milligrams per square centimeter (mg/cm²) as measured with an X-ray fluorescence (XRF) or 5,000 parts per million (ppm) when measured by weight, or 0.5 percent (%) by weight.

A total of 12 homogeneous paint color variations of suspect LBP areas were identified. One paint chip sample was collected from each suspect homogeneous area and submitted to the laboratory for analysis. Representative photographs of LBP and/or LCP were taken and are included in the photographic log (Appendix B). The paint chip sample locations were recorded and are included on the sample location drawing (Figure 3). Descriptions of the suspect homogeneous materials and a list of the collected samples are described in the 'Findings' section.

Based on the analytical results for the 12 samples, a Toxicity Characteristic Leachate Procedure (TCLP) sample was analyzed by collecting a representative sample (approximately 105 grams) of combined suspect building materials. The sample results are located in Appendix D.

2.3 SURVEY OF SUSPECTED RBMS

On June 29, 2018, APEC personnel conducted the RBM inventory consisting of inspecting the interior, exterior and roof system. The inspection was conducted to visually identify and quantify any building materials, devices and equipment suspected of containing potentially regulated materials as they pertain to the EPA Universal Waste Rule (UWR) requirements (40 CFR, Part 273). APECs inventory review consisted of the following: potential mercury-containing thermostats/switches; fluorescent light tubes and compact fluorescent bulbs; items potentially containing polychlorinated biphenyls (PCBs) (generally ballasts found within the fluorescent light fixtures); tritium powered exit signs; smoke detectors potentially containing Americium-241; and Freon-containing refrigeration systems. The survey of suspected RBMs is for use by contractors conducting the removal of items from the property. Samples of suspect RBMs are not required for this type of survey, as all determinations are made by visual means.

Although not a “regulated material”, items such as gas meters, electrical meters and electrical panels are listed with the RBM inventory. These materials will require removal and/or disconnection prior to demolition. These materials should be handled with care until deemed safe.

3 Findings

3.1 ASBESTOS SURVEY

A total of 83 bulk samples, including 4 duplicate samples, were collected from 25 suspect homogenous materials throughout the structure, and the results of the PLM analysis are presented in Table 2 and Table 3. The following samples are positive for ACMs (i.e. present greater than 1%):

Regulated Asbestos Containing Materials (RACM)

- 4625M-R7-PL1A, 4625M-R7-PL1B, 4625M-R7-PL1C, 4625M-R4-PL1D, and 4625M-R4-PL1E - Knockdown textured drywall on the walls and ceilings in rooms 4 and 7.
- 4625M-R6-TD2A, 4625M-R6-TD2B, and 4625M-R6-TD2C - Knockdown textured drywall on the walls and ceiling in room 6 and C2.
- 4625M-R3-TD3A, 4625M-R3-TD3B, and 4625M-R3-TD3C - Textured drywall on the walls and ceiling in room 3 and C1.
- 4625M-R1-PL7A, 4625M-R1-PL7B, and 4625M-R1-PL7C - Textured plaster on the walls in room 1.
- 4625M-R2-PL8A, 4625M-R2-PL8B, and 4625M-R2-PL8C - Textured plaster on the walls and ceiling in room 2.

Point Counts

Point count analysis occurs for samples with <1% of asbestos. Point counts were not performed due to the initial PLM analysis content exceeding 1%. The laboratory analytical report is included as Appendix C.

Duplicate Samples

For quality assurance purposes, duplicate samples are taken approximately every 20th sample, per the EPA “pink book” that is used by Colorado Regulation 8 for sampling protocol. Duplicate samples are listed as a duplicate (Q) in the sample location column of Table 2 or Table 3. Four duplicate samples were collected, because a total of 83 investigatory samples were obtained, and are identified as:

- 4625M-R1-TD6Q
- 4625M-R8-TD13Q
- 4625M-H-CT18Q
- 4625M-EX-R25Q

3.2 LEAD-BASED PAINT SURVEY

A total of 12 homogeneous paint color variations were analyzed for the presence of LBPs and LCPs (Table 4; Figure 3). Under EPA 40 CFR Part 745, LBP is defined as any paint or surface coating that contains lead equal to or exceeding 0.5% (by weight), while LCP is defined as any paint or surface

contains lead equal to or exceeding 0.5% (by weight), while LCP is defined as any paint or surface coating containing lead greater than or equal to 0.06% up to 0.5% (by weight). Caution should be taken during demolition to minimize cutting, abrading, or otherwise causing an air disturbance to this material and work must be completed in accordance with the OSHA Lead in Construction Standard (29 CFR 1926.62).

All 12 samples analyzed were less than the regulated LCP and LBP thresholds, and are considered non-lead containing paint (NLC). The laboratory analytical report is included in Appendix D.

3.2.1 TCLP LEAD ANALYTICAL RESULTS

TCLP analysis simulates the potential for the demolished building materials to leach lead if placed in the landfill and results of the analysis determine if the materials will be considered hazardous waste. TCLP analysis was performed for landfill compliance. The Toxicity Characteristic (TC) maximum concentration is 5 milligrams per liter (mg/L). The results of the TCLP analysis is <0.40 mg/L, which is below the regulated limit and therefore not considered hazardous. Analytical report is included in Appendix D.

3.3 REGULATED BUILDING MATERIALS INVENTORY SURVEY

Several suspect RBMs were visually identified throughout the structure. RBMs that are a cause of concern, when discovered, are discussed below. A complete list of the RBMs is presented in Table 5, and selected locations of the RBMs are depicted in Figure 4.

4 Conclusions and Recommendations

4.1 ASBESTOS

Approximately 2,736 total square feet of regulated asbestos containing material (RACM) was identified as textured drywall and plaster located on the walls and ceilings of rooms 2, 3, 4, 6, 7, closet 1, closet 2, and the walls of room 1. These materials will require abatement prior to demolition of the structure because this is easily rendered friable.

No other ACM was identified throughout the structure; however, if additional suspect materials, not sampled during this investigation, are identified during demolition, they should either be assumed to be ACM or should be sampled prior to disturbance.

Prior to demolition activities, all friable and non-friable (that can or will be rendered friable) ACM that may be impacted during the demolition must be abated by a Colorado Certified Asbestos Abatement Contractor as required by NESHAP and the CDPHE – Air Pollution Control Division: Asbestos.

According to AHERA, EPA, and the CDPHE, materials testing at less than or equal to 1% asbestos fibers are not considered to be an ACM. However, any materials containing asbestos still need to be regulated. OSHA protocol must be followed when handling materials containing any amount of asbestos. Proper personal protective equipment (PPE) and engineering controls must be utilized if these materials will be impacted during demolition activities.

4.2 LEAD-BASED PAINT

All 12 samples analyzed less than the regulated LCP and LBP thresholds, and are considered non-lead containing paint (NLC). No lead abatement is required prior to demolition. TCLP results confirmed that the waste stream is not hazardous with respect to lead content.

4.3 REGULATED BUILDING MATERIALS

Materials found during the regulated materials inventory within the building may require special handling or disposal prior to demolition activities. If abatement is needed, APEC recommends that the asbestos contractor or general contractor selected by the client properly dispose of these regulated materials, per applicable regulations.

With regard to RBMs, if listed, it is likely that the ballasts in the fluorescent light fixtures do contain PCBs. Where a manufacturer's label is present indicating "no PCBs", the ballast can be disposed of with recyclable metal or with other municipal waste. During removal for disposal as part of the demolition activities, each ballast should be visually inspected for the manufacturer's label indicating "no PCBs". If the label does not have this notation, the ballast should be considered PCB-containing and should be disposed of as a hazardous waste in accordance with local, state, and federal regulatory guidelines. Refrigerators and air conditioning units contain freon, which will need to be reclaimed or taken to a facility capable of this activity. Mercury containing thermostats will need to be disposed of at a facility certified to take this type of material. The contractor should also carefully remove all associated fluorescent light tubes and compact fluorescent lights and recycle or dispose of these materials according to applicable regulations.

This inspection was primarily relevant to the Federal UWR requirements under 40 CFR 273. It should be noted that contractors submitting bids for removal of the RBMs should verify quantities,

conditions, and locations of all RBMs prior to bid submittals and initiating demolition activities. The contractor is also responsible for proper recycling and/or disposal of the RBMs, and should follow all federal, state and local regulations when handling these materials.

5 Limitations

This Structure Survey Assessment Report was prepared by All-Phase Environmental Consultants, Inc., at the request of and for the sole benefit of Kiewit Meridiam Partners, or any entity controlling, controlled by, or under common control with Colorado Department of Transportation. APECs certified inspectors used reasonable diligence and professional judgement to identify all suspect asbestos-containing materials, lead based paint, and regulated building materials in the property. APEC will not be held liable for property damage or any loss of property value due to the inspection. This report is not an abatement plan and is intended to be informational only; APEC will not be held responsible for the mishandling of the information contained herein.

APEC utilized destructive inspection methods in performing this survey, however accessibility may have been a limiting condition. If additional impacted suspect materials are discovered during related work for which there are no sample documentation/results, APEC recommends pursuing one of the following alternatives: Sample and analyze the discovered suspect material(s) to determine whether it contains asbestos, lead or other regulated materials; or assume the material(s) to be containing, quantify and remove on a unit cost basis.

Notwithstanding any provision to the contrary, the total liability of "All Phase Environmental Consultants, Inc.", and its employees, officers or directors be liable in contract, tort, strict liability warranty or otherwise, for any special, incidental or consequential damages, such as but not limited to, delay, disruption, loss of product, loss of anticipated profits or revenue, damages, cost, and expenses, including attorney's fees, shall not exceed the aggregate amount paid to All Phase Environmental Consultants, Inc. under this Agreement regardless of the legal theory under which such liability is imposed.

Tables

Table 2	Asbestos Containing Samples
Table 3	Non-Asbestos Containing Samples
Table 4	Summary of Paint Chip Laboratory Analysis for Lead
Table 5	Summary of Regulated Building Materials

Table 2 Positive Asbestos Containing Samples

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification	Estimated Quantity (Sq. ft.)						
4625M-R7-PL1A	ROOM 7	ND	HOMOGENOUS TO SAMPLES 4625M-R4-PL1D & 4625M-R4-PL1E											
4625M-R7-PL1B		ND												
4625M-R7-PL1C		ND												
4625M-R4-PL1D	ROOM 4	Texture 2 2%Chrysotile	PLM	GOOD	KNOCKDOWN TEXTURED PLASTER-R4, R7	WALLS AND CEILINGS OF ROOM 4 & 7	RACM	1030 Sq.ft						
4625M-R4-PL1E		Texture 2 2%Chrysotile	PLM	GOOD										
4625M-R6-TD2A	ROOM 6	ND	HOMOGENOUS TO SAMPLES 4625M-R6-TD2B & 4625M-R6-TD2C											
4625M-R6-TD2B		Texture 2 2%Chrysotile							PLM	GOOD	KNOCKDOWN TEXTURED DRYWALL-R6	WALLS AND CEILING OF ROOM 6 & C2	RACM	480 Sq.ft
4625M-R6-TD2C		Texture 2 2%Chrysotile							PLM	GOOD				
4625M-R3-TD3A	ROOM 3	Texture 2 /Joint compound 2%Chrysotile	PLM	GOOD	TEXTURED DRYWALL-R3	WALLS AND CEILING OF ROOM 3 & C1	RACM	510 Sq.ft						
4625M-R3-TD3B		Texture 2 2%Chrysotile	PLM	GOOD										
4625M-R3-TD3C		Texture 2 2%Chrysotile	PLM	GOOD										
4625M-R1-PL7A	ROOM 1	Texture 2 2%Chrysotile	PLM	GOOD	TEXTURED PLASTER-R1	WALLS OF ROOM 1	RACM	368 Sq.ft						
4625M-R1-PL7B		Texture 2 2%Chrysotile	PLM	GOOD										
4625M-R1-PL7C		Texture 2 2%Chrysotile	PLM	GOOD										
4625M-R2-PL8A	ROOM 2	Texture 2 2%Chrysotile	PLM	GOOD	TEXTURED PLASTER-R2	WALLS AND CEILINGS OF ROOM 2	RACM	348 Sq.ft						
4625M-R2-PL8B		Skim coat 3%Chrysotile	PLM	GOOD										
4625M-R2-PL8C		Texture 2 2%Chrysotile	PLM	GOOD										
ND=Non-Detect PLM=Polarized Light Microscopy NA=Not Applicable RACM=Regulated Asbestos Containing Materials														

Table 3 Non-Asbestos Containing

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
4625M-R5-TD4A	ROOM 5	ND	PLM	Good	TEXTURED DRYWALL-R5,C3	WALLS OF ROOM 5 AND CLOSET 3	NA
4625M-R5-TD4B		ND	PLM	Good			NA
4625M-C3-TD4C	CLOSET 3	ND	PLM	Good			NA
4625M-R5-PL5A	ROOM 5	ND	PLM	Good	SMOOTH TEXTURED PLASTER -R5	CEILING OF ROOM 5	NA
4625M-R5-PL5B		ND	PLM	Good			NA
4625M-R5-PL5C		ND	PLM	Good			NA
4625M-R1-TD6A	ROOM 1	ND	PLM	Good	KNOCKDOWN TEXTURED DRYWALL-R1	WALLS AND CEILINGS OF ROOM 1	NA
4625M-R1-TD6B		ND	PLM	Good			NA
4625M-R1-TD6Q		ND	PLM	Good			NA
4625M-R1-TD6C		ND	PLM	Good			NA
4625M-R2-FT9A	ROOM 2	ND	PLM	Good	WOOD PATTERN FLOOR TILE - R2	FLOOR OF ROOM 2	NA
4625M-R2-FT9B		ND	PLM	Good			NA
4625M-R2-FT9C		ND	PLM	Good			NA
4625M-R1-A10A	ROOM 1	ND	PLM	Good	FLOOR ADHESIVE-R1	BOTTOM LAYER FLOOR OF ROOM 1	NA
4625M-R1-A10B		ND	PLM	Good			NA
4625M-R1-A10C		ND	PLM	Good			NA
4625M-R1-CM11A	ROOM 1	ND	PLM	Good	CERAMIC TILE/MORTAR	FLOOR OF ROOM 1	NA
4625M-R1-CM11B		ND	PLM	Good			NA
4625M-R5-CM11C	ROOM 5	ND	PLM	Good	CERAMIC TILE/MORTAR	FLOOR OF ROOM 1	NA
4625M-R9-TD12A	ROOM 9	ND	PLM	Good	SPRAY TEXTURE DRYWALL-R9	WALLS AND CEILING OF ROOM 9	NA
4625M-R9-TD12B		ND	PLM	Good			NA
4625M-R9-TD12C		ND	PLM	Good			NA

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
4625M-R8-TD13A	ROOM 8	ND	PLM	Good	HEAVY SPRAY TEXTURED DRYWALL	CEILINGS OF ROOM 8, 12, &13 WALLS OF ROOM 8	NA
4625M-R8-TD13Q		ND	PLM	Good			NA
4625M-R12-TD13B	ROOM 12	ND	PLM	Good			NA
4625M-R13-TD13C	ROOM 13	ND	PLM	Good			NA
4625M-H-TD14A	HALLWAY	ND	PLM	Good	KNOCKDOWN TEXTURED DRYWALL-R11,H	CEILING AND WALLS OF ROOM 11 AND WALLS OF HALLWAY	NA
4625M-H-TD14B		ND	PLM	Good			NA
4625M-R11-TD14C	ROOM 11	ND	PLM	Good			NA
4625M-R11-TD14D		ND	PLM	Good			NA
4625M-R11-TD14E		ND	PLM	Good			NA
4625M-R12-TD15A	ROOM 12	ND	PLM	Good			TEXTURED DRYWALL-R12
4625M-R12-TD15B		ND	PLM	Good	NA		
4625M-R12-TD15C		ND	PLM	Good	NA		
4625M-R13-TD16A	ROOM 13	ND	PLM	Good	TEXTURED DRYWALL	WALLS OF ROOM 13	NA
4625M-R13-TD16B		ND	PLM	Good			NA
4625M-R13-TD16C		ND	PLM	Good			NA
4625M-H-M17A	HALLWAY	ND	PLM	Good	FLOOR MASTIC	FLOORS OF ROOM 11 AND HALLWAY	NA
4625M-R11-M17B	ROOM 11	ND	PLM	Good			NA
4625M-R11-M17C		ND	PLM	Good			NA
4625M-H-CT18A	HALLWAY	ND	PLM	Good	CEILING TILE	CEILING OF HALLWAY	NA
4625M-H-CT18B		ND	PLM	Good			NA
4625M-H-CT18C		ND	PLM	Good			NA
4625M-H-CT-18Q		ND	PLM	Good			NA
4625M-R12-L19A	ROOM 12	ND	PLM	Good	LINOLEUM-R12	BELOW WOOD FLOORING IN ROOM 12	NA
4625M-R12-L19B		ND	PLM	Good			NA

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
4625M-R12-L19C	ROOM 12	ND	PLM	Good	LINOLEUM-R12	BELOW WOOD FLOORING IN ROOM 12	NA
4625M-R13-L20A	ROOM 13	ND	PLM	Good	LINOLEUM-R13	BELOW WOOD FLOORING IN ROOM 13	NA
4625M-R13-L20B		ND	PLM	Good			NA
4625M-R13-L20C		ND	PLM	Good			NA
4625M-R8-CMU21A	ROOM 8	ND	PLM	Good	CMU/MORTAR	FOUNDATION	NA
4625M-R10-CMU21B	ROOM 10	ND	PLM	Good			NA
4625M-H-CMU21C	HALLWAY	ND	PLM	Good			NA
4625M-EX-WG22A	EXTERIOR	ND	PLM	Good	WINDOW GLAZING	3 WINDOWS	NA
4625M-EX-WG22B		ND	PLM	Good			NA
4625M-EX-WG22C		ND	PLM	Good			NA
4625M-EX-VB23A		ND	PLM	Good	VAPOR BARRIER	UNDER METAL	NA
4625M-EX-VB23B		ND	PLM	Good			NA
4625M-EX-VB23C		ND	PLM	Good			NA
4625M-EX-R24A		ND	PLM	Good	ROOFING-HOUSE	HOUSE ROOF	NA
4625M-EX-R24B		ND	PLM	Good			NA
4625M-EX-R24C		ND	PLM	Good			NA
4625M-EX-25A		ND	PLM	Good	ROOFING PORCH	PORCH ROOF	NA
4625M-EX-25Q		ND	PLM	Good			NA
4625M-EX-25B		ND	PLM	Good			NA
4625M-EX-25C		ND	PLM	Good			NA

ND=Non-Detect
PLM=Polarized Light Microscopy
NA=Not Applicable

Table 4 Summary of Paint Chip Analysis for Lead

Sample Number	Sample Location	Lead Concentration (% wt.)	Component	Paint Description	Classification
4625M-R7-1L	Room 7	<0.0080	Wood	Brown	NLC
4625M-R7-2L	Room 7	<0.0080	Plaster	Light Blue	NLC
4625M-R6-3L	Room 6	<0.0080	Plaster	Tan	NLC
4625M-R6-4L	Room 6	0.015	Wood	White	NLC
4625M-C3-5L	Closet 3	<0.0080	Plaster	Chocolate Brown	NLC
4625M-C3-6L	Closet 3	<0.0080	Drywall	Dark Blue	NLC
4625M-C3-7L	Closet 3	<0.0080	Plaster	Light Tan	NLC
4625M-C3-8L	Room 3	<0.0080	Plaster	Light Blue	NLC
4625M-C3-9L	Room 12	<0.0080	Plaster	Lilac	NLC
4625M-C3-10L	Room 13	<0.0080	Plaster	Red	NLC
4625M-C3-11L	Exterior	<0.0080	Vinyl	Burgandy	NLC
4625M-C3-12L	Front Porch	<0.013	Wood	White	NLC

Table 5 Summary of Regulated Building Materials

Room	Material	Location	Quantity Fixture/Bulbs each
Room 4	Thermostat (Digital)	Northeast corner of Room	1
Room 7	Air Conditioning System	West Side of Room	1

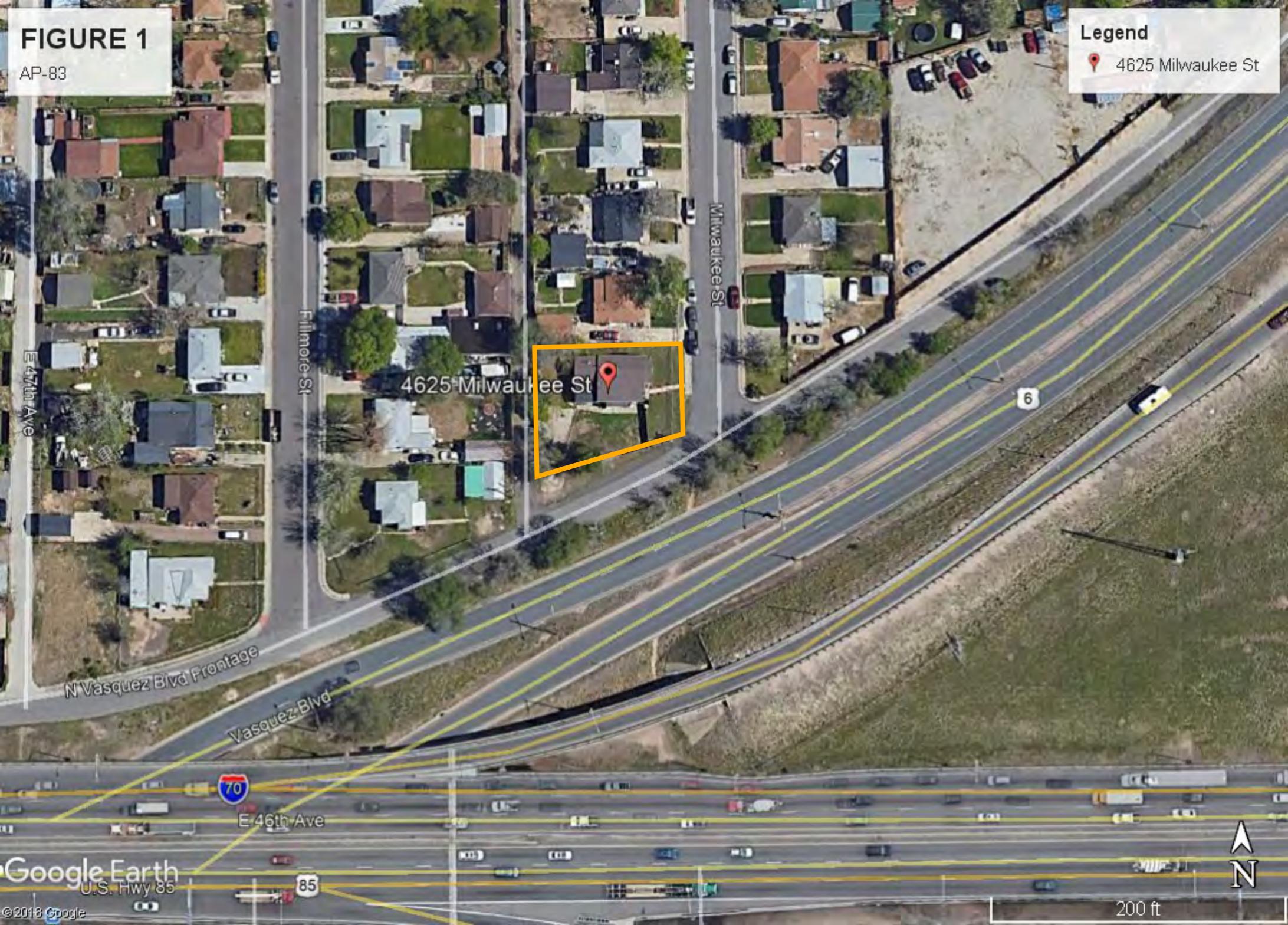
Figures

- Figure 1 Site Location
- Figure 2 Asbestos Bulk Sample Locations
- Figure 3 Lead-Based Paint Sample Locations
- Figure 4 Regulated Building Materials

FIGURE 1

AP-83

Legend
📍 4625 Milwaukee St



4625 Milwaukee St

E 47th Ave

Fillmore St

Milwaukee St

N Vasquez Blvd Frontage

Vasquez Blvd

70

E 46th Ave

85

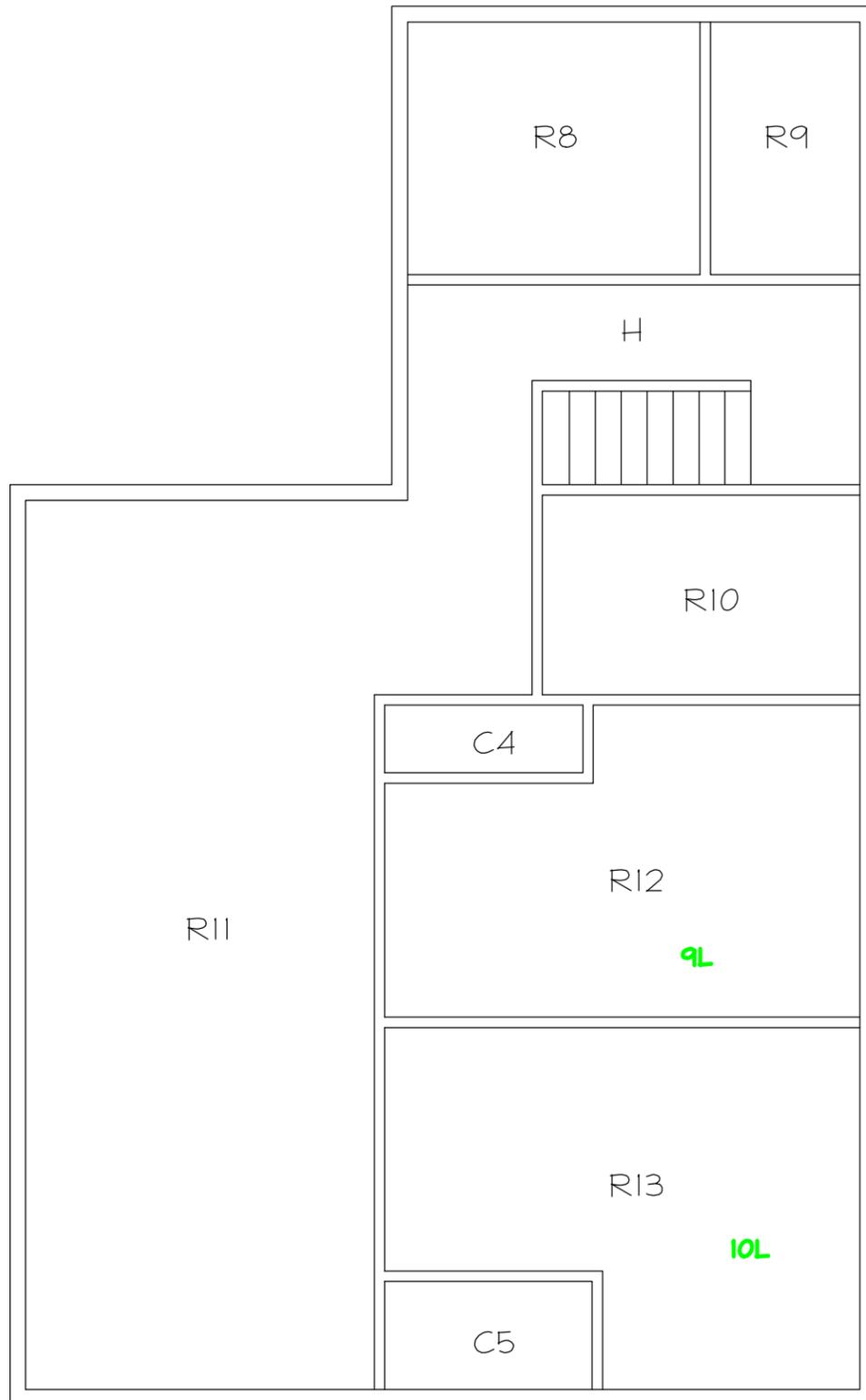
Google Earth

U.S. Hwy 85

©2018 Google

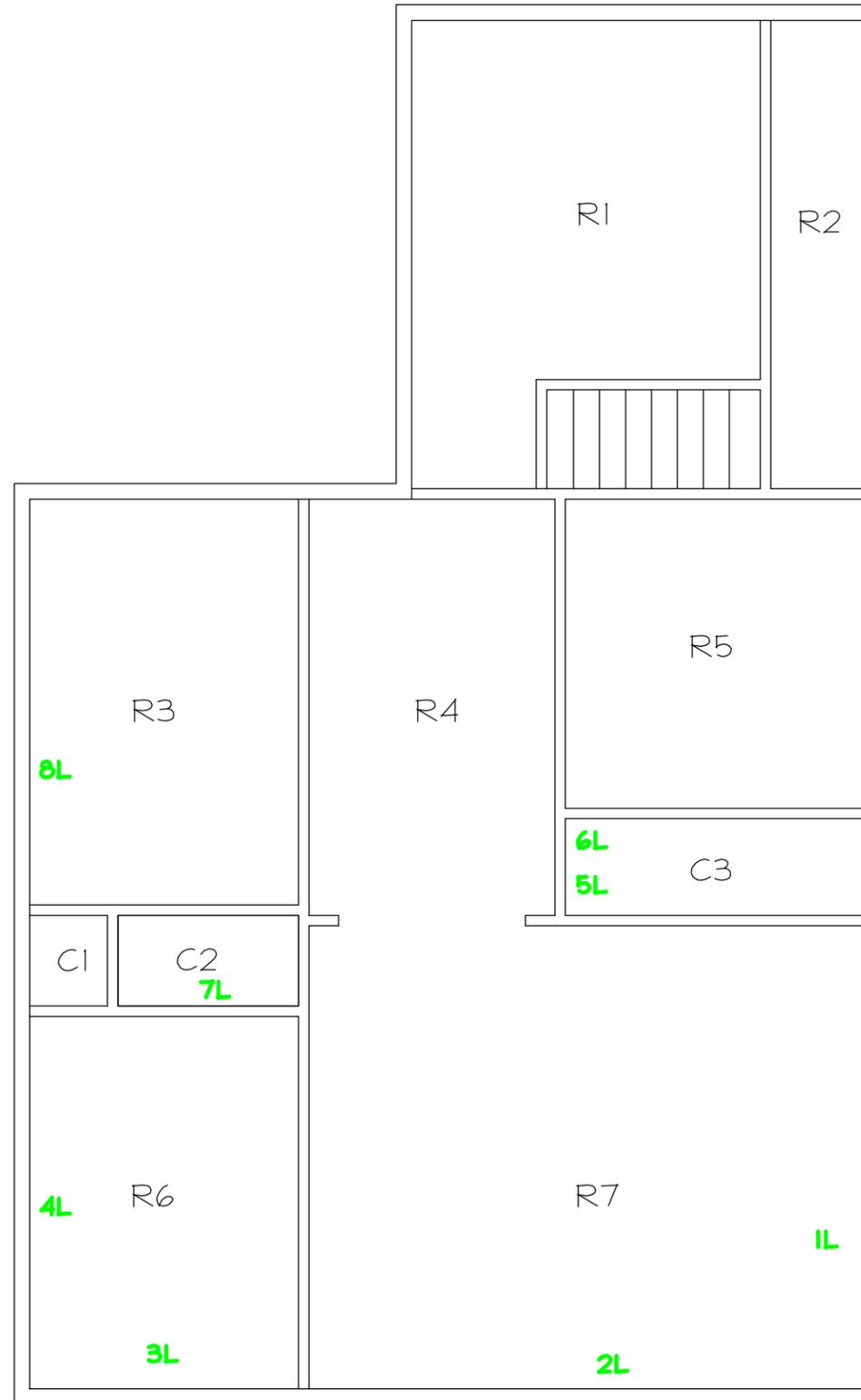
200 ft



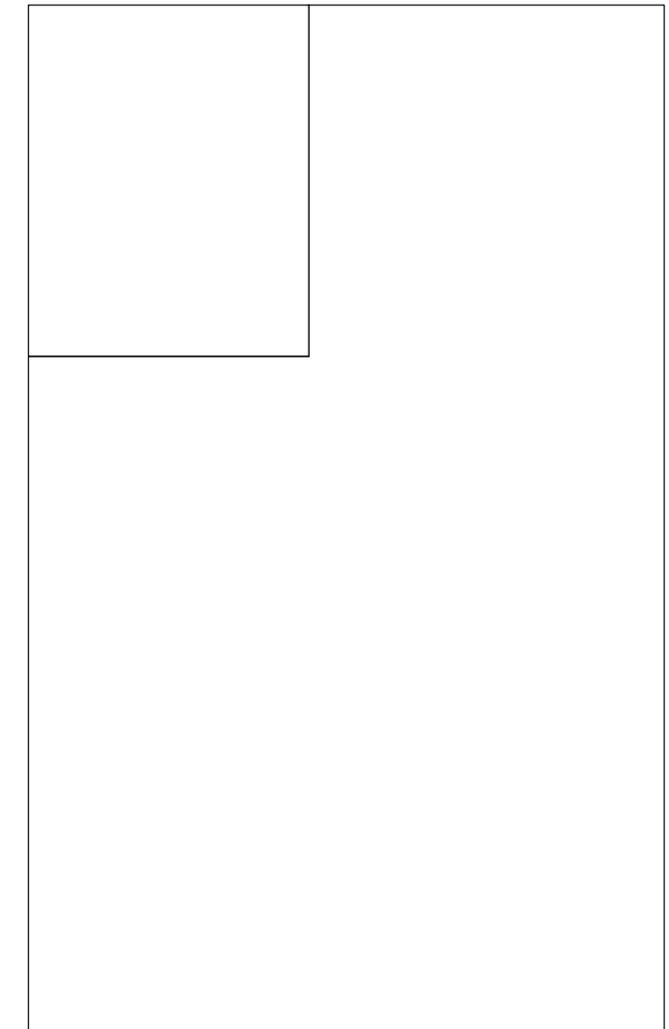


BASEMENT

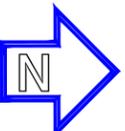
- R1 = Room Numbers
- 4 = Lead Base Paint (Detect)
- 4 = Lead Containing Paint (Detect)
- 4 = Lead Base Paint (Non-Detect)



MAIN FLOOR



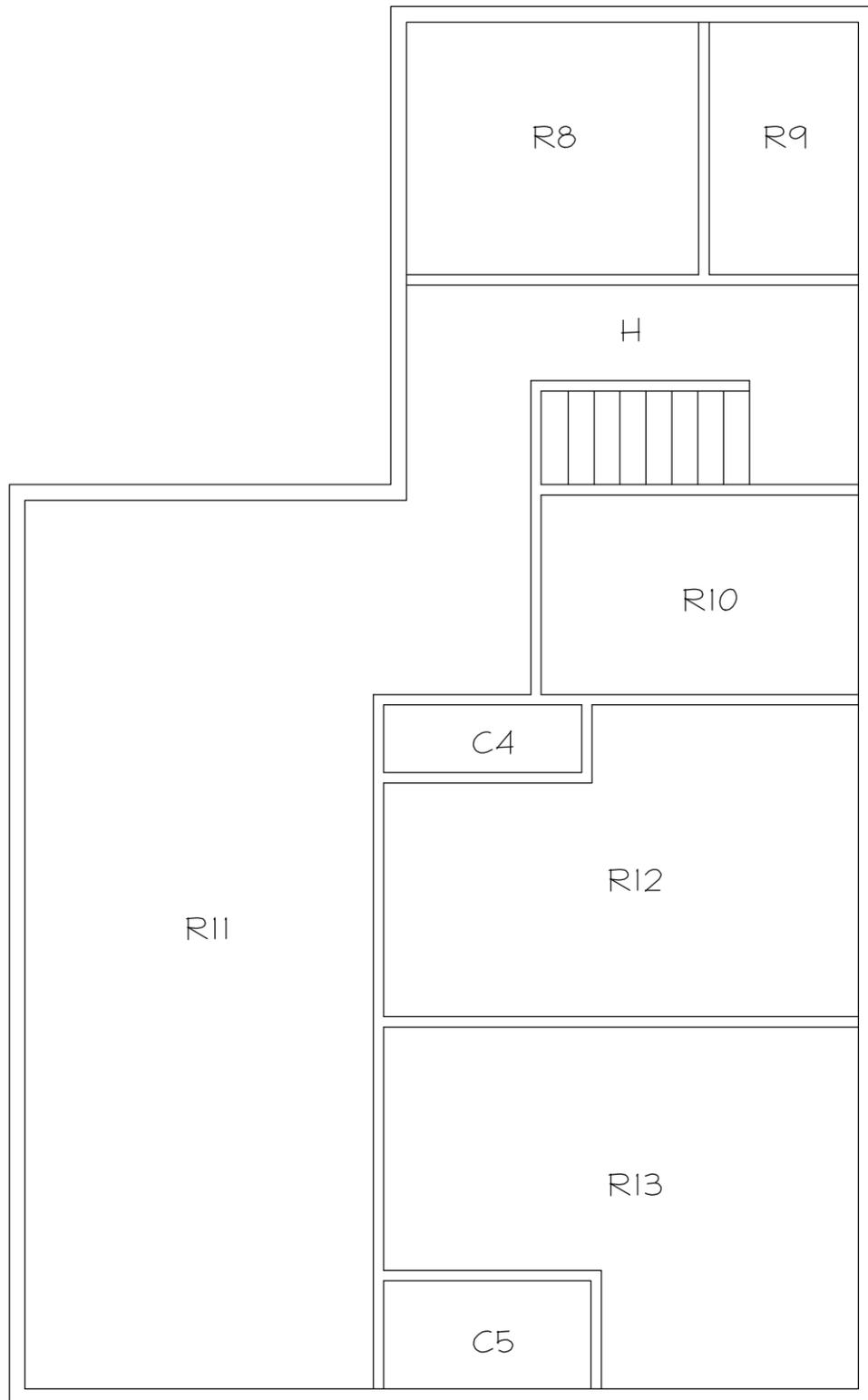
ROOF 1/8" = 1'-0"



DR BY: R.A.
 APPROVED: B.N.E.
 SCALE: 3/16" = 1'-0"

FIGURE 3 - Lead Based Paint Sample Location
 CENTRAL 70 - Structure Survey Assessment Map
 AP-83
 4625 Milwaukee, Denver, CO
 June 29, 2018
 APEC #: 18-3066

ALL-PHASE
 ENVIRONMENTAL CONSULTANTS, INC.
 721 W 9TH STREET
 Pueblo, CO 81003 Ph: (719) 545-0375

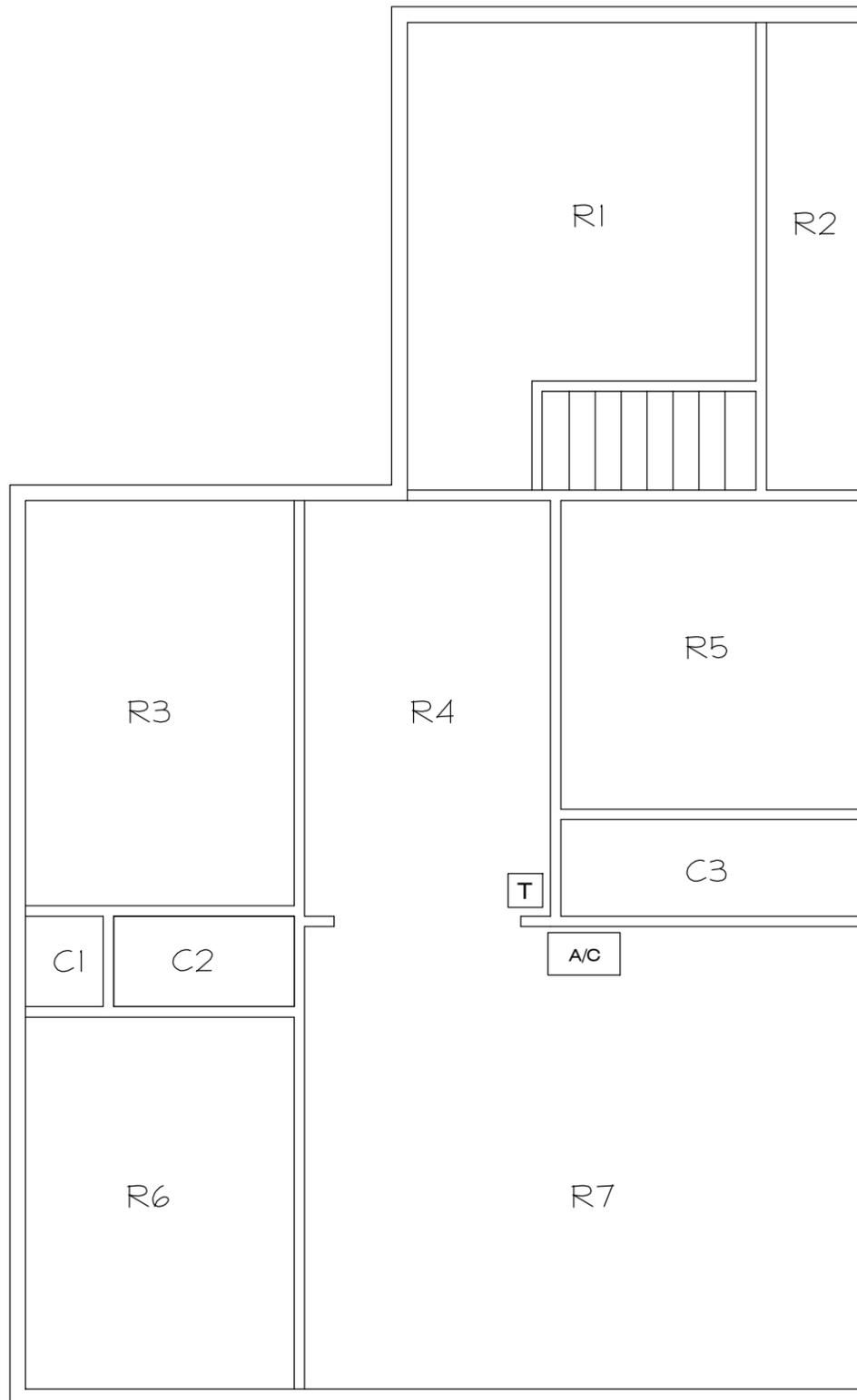


BASEMENT

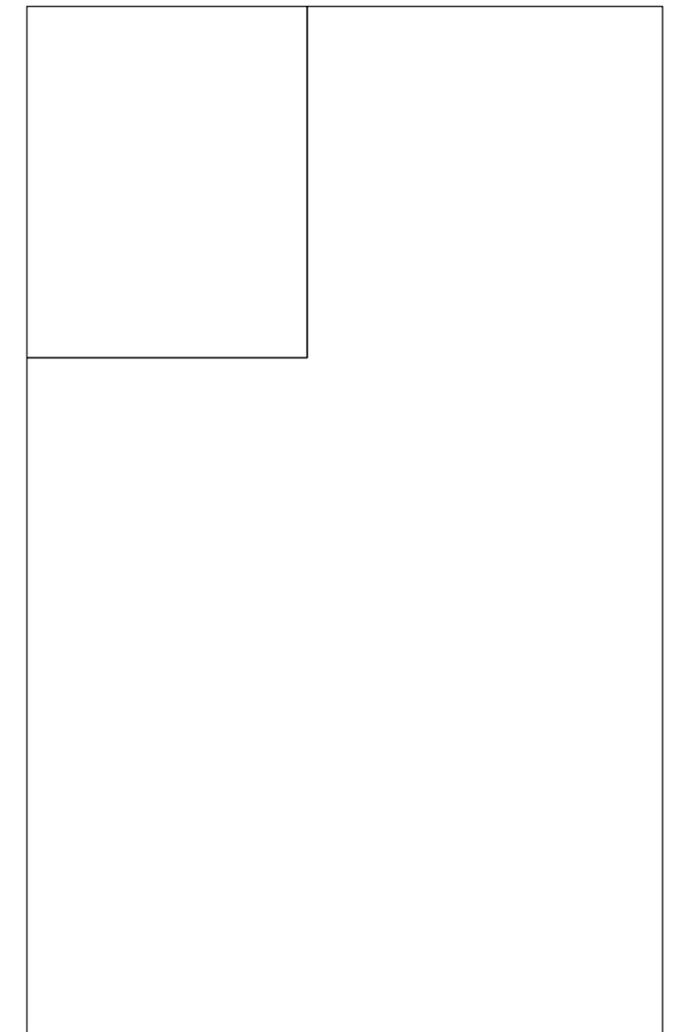
R1 = Room Numbers

A/C = Air Conditioning

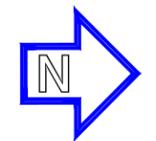
T = Thermostat



MAIN FLOOR



ROOF 1/8" = 1'-0"



DR BY: R.A.

APPROVED: B.N.E.

SCALE: 3/16" = 1'-0"

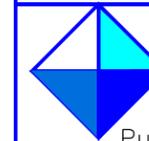
FIGURE 4 - Regulated Building Material
CENTRAL 70 - Structure Survey Assessment Map

AP-83

4625 Milwaukee, Denver, CO

June 29, 2018

APEC #: 18-3066



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 ENVIRONMENTAL CONSULTANTS, INC.

721 W 9TH STREET
 Pueblo, CO 81003 Ph: (719) 545-0375

A

ASBESTOS, LEAD AND
LABORATORY CERTIFICATIONS





Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Logan Greenfield

Certification No.: 20715

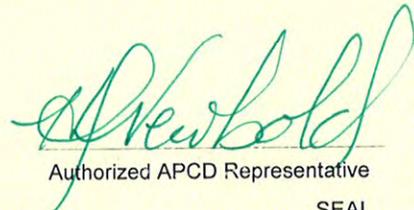
has met the requirements of 25-7-507, C.R.S. and Air Quality Control Commission Regulation No. 8, Part B, and is hereby certified by the state of Colorado in the following discipline:

Building Inspector*

Issued: October 18, 2017

Expires: October 18, 2018

** This certificate is valid only with the possession of a current Division-approved training course certification in the discipline specified above.*


Authorized APCD Representative
SEAL



Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Logan Greenfield

Certification No.: 20715

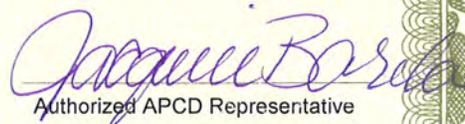
has met the requirements of 25-7-507, C.R.S. and Air Quality Control
Commission Regulation No. 8, Part B, and is hereby certified by the
state of Colorado in the following discipline:

Building Inspector*

Issued: September 13, 2018

Expires: October 18, 2019

** This certificate is valid only with the possession of a
current Division-approved training course certification
in the discipline specified above.*


Authorized APCD Representative

SEAL



1775 West 55th Avenue
Denver, CO 80221
303.410.4941
trainingchc.com



Certifies that

Logan Greenfield

20715

*Has Successfully Completed the EPA- Approved Annual Asbestos Refresher Training Course
Under Section 206 of the Toxic Substance Control Act (TSCA), Title II.*

BUILDING INSPECTOR

Course Date: September 20, 2017
Certificate No.: R17-1661-AI-CO
No. of Hours: 4
Expiration Date: September 20, 2018
Certification not valid without watermark

A handwritten signature in black ink that reads "Frank Hulce".

Frank Hulce - Instructor

A handwritten signature in black ink that reads "Danaya Benedetto".

Danaya Benedetto- Training Program Manager



CHC Training
Nationwide Training & Certification Experts

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303.412.6360
855.60.CERTIFY

1775 West 55th Avenue
Denver, CO 80221,
United States of America

CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:

LOGAN GREENFIELD

In recognition of satisfactory completion of the EPA-approved annual asbestos
refresher training course under section 206 of the Toxic Substance Control Act (TSCA),

Title II entitled:

BUILDING INSPECTOR

COURSE DATE:

SEPTEMBER 12, 2018

EXPIRATION DATE

SEPTEMBER 12, 2019

COURSE HOURS:

4.0



Verify this Credential

Danaya N. Benedetto
CEO & Training Program Manager

Credential License ID:
11943552



Daniel R. Beaver
Instructor

CHC Training Certificate No.
R18-1729-AI-CO



Visit our Website



Colorado Department
of Public Health
and Environment

LEAD-BASED PAINT CERTIFICATION*

This certifies that

Richard L. Ralston

Certification No.: 9130

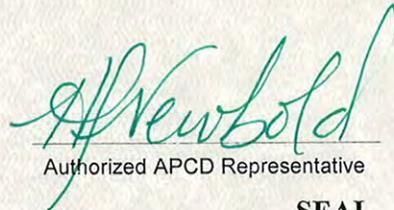
has met the requirements of 25-7-1104, C.R.S. and Air Quality Control
Commission Regulation No. 19, and is hereby certified by the state of
Colorado in the following discipline:

Risk Assessor*

Issued: February 10, 2017

Expires: February 10, 2019

** This certificate is valid only with the possession of a valid
lead-based paint training certificate in the discipline specified
above, issued by either a Colorado approved training provider,
an EPA approved training provider, or a training provider
approved by another EPA authorized program.*


Authorized APCD Representative

SEAL



1775 West 55th Avenue
Denver, CO 80221
303.410.4941
trainingchc.com



Certifies that

Richard Ralston

Has successfully completed the required training hours and passed the examination required by the Colorado Department of Public Health and Environment for:

Lead-Based Paint Risk Assessor Refresher

For the purposes of accreditation under the Colorado Department of Public Health and Environment Regulation No. 19 and other standard developed by EPA pursuant to Title IV of TSCA

Course Date: April 6, 2016
Certificate No.: R16-031-LRA-CO
No. of Hours: 8
Expiration Date: April 6, 2019
Certification not valid without watermark

Luis E. Peon

Luis Peon - Instructor

Danaya Benedetto

Danaya Benedetto - Training Program Manager

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200828-0

EMSL Analytical, Inc.
Denver, CO

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2018-04-01 through 2019-03-31

Effective Dates



Dana S. Haman
For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc.

1010 Yuma Street
Denver, CO 80204
Ms. Amanda Lang
Phone: 303-740-5700
Email: alang@emsl.com
<http://www.emsl.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200828-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

A handwritten signature in black ink, appearing to read "Dana S. Laman".

For the National Voluntary Laboratory Accreditation Program



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: 100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

- | | |
|---|---|
| <input checked="" type="checkbox"/> INDUSTRIAL HYGIENE | Accreditation Expires: September 01, 2018 |
| <input checked="" type="checkbox"/> ENVIRONMENTAL LEAD | Accreditation Expires: September 01, 2018 |
| <input checked="" type="checkbox"/> ENVIRONMENTAL MICROBIOLOGY | Accreditation Expires: September 01, 2018 |
| <input type="checkbox"/> FOOD | Accreditation Expires: |
| <input type="checkbox"/> UNIQUE SCOPES | Accreditation Expires: |

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

William Walsh, CIH
Chairperson, Analytical Accreditation Board

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 15: 03/30/2016

Date Issued: 08/31/2016



AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: **100194**

Issue Date: 08/31/2016

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 01/18/1995

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description <i>(for internal methods only)</i>
Paint		EPA SW-846 3050B	
		EPA SW-846 7000B	
Soil		EPA SW-846 3050B	
		EPA SW-846 7000B	
Settled Dust by Wipe		EPA SW-846 3050B	
		EPA SW-846 7000B	
Airborne Dust		NIOSH 7082	
Composited Wipes		EPA SW-846 3050B	
		EPA SW-846 7000B	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

B

POSITIVE ASBESTOS SAMPLE
MATERIAL PHOTOGRAPHS





Knockdown Textured Plaster

Samples Represented –
4625M-R7-PL1A
4625M-R7-PL1B
4625M-R7-PL1C
4625M-R4-PL1D
4625M-R4-PL1E



Knockdown Textured Drywall

Samples Represented –
4625M-R6-TD2A
4625M-R6-TD2B
4625M-R6-TD2C



Textured Drywall

Samples Represented –
4625M-R3-TD3A
4625M-R3-TD3B
4625M-R3-TD3C



Textured Plaster

Samples Represented –
4625M-R1-PL7A
4625M-R1-PL7B
4625M-R1-PL7C



Textured Plaster

Samples Represented –
4625M-R2-PL8A
4625M-R2-PL8B
4625M-R2-PL8C

C

LABORATORY RESULTS &
CHAIN OF CUSTODY-
ASBESTOS





EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221805004
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 07/06/2018 10:10 AM
Analysis Date: 07/11/2018 - 07/12/2018
Collected Date: 06/29/2018
Project: 18-3066-CDOT-A-AP83

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R7-PL1A-Texture 221805004-0001	Knock Down Textured Plaster -R4,R7	Blue Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R7-PL1A-Ski m Coat 221805004-0001A	Knock Down Textured Plaster -R4,R7	White Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4625M-R7-PL1A-Plaster 221805004-0001B	Knock Down Textured Plaster -R4,R7	Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4625M-R7-PL1B-Texture 221805004-0002	Knock Down Textured Plaster -R4,R7	White/Blue Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R7-PL1B-Ski m Coat 221805004-0002A	Knock Down Textured Plaster -R4,R7	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4625M-R7-PL1B-Plaster 221805004-0002B	Knock Down Textured Plaster -R4,R7	Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4625M-R7-PL1C-Texture 221805004-0003	Knock Down Textured Plaster -R4,R7	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R7-PL1C-Ski m Coat 221805004-0003A	Knock Down Textured Plaster -R4,R7	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4625M-R7-PL1C-Plaster 221805004-0003B	Knock Down Textured Plaster -R4,R7	Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Initial report from: 07/12/2018 17:14:41



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<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221805004
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 07/06/2018 10:10 AM
Analysis Date: 07/11/2018 - 07/12/2018
Collected Date: 06/29/2018
Project: 18-3066-CDOT-A-AP83

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R4-PL1D-Texture 221805004-0004	Knock Down Textured Plaster -R4,R7	Blue Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R4-PL1D-Tape 221805004-0004A	Knock Down Textured Plaster -R4,R7	Yellow Non-Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
4625M-R4-PL1D-Joint Compound 221805004-0004B	Knock Down Textured Plaster -R4,R7	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R4-PL1D-Texture 2 221805004-0004C	Knock Down Textured Plaster -R4,R7	White/Beige Non-Fibrous Heterogeneous		5% Ca Carbonate 93% Non-fibrous (Other)	2% Chrysotile
Inseparable paint / coating layer included in analysis					
4625M-R4-PL1D-Skin Coat 221805004-0004D	Knock Down Textured Plaster -R4,R7	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4625M-R4-PL1D-Base Coat 221805004-0004E	Knock Down Textured Plaster -R4,R7	Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4625M-R4-PL1E-Texture 1 221805004-0005	Knock Down Textured Plaster -R4,R7	White/Blue Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R4-PL1E-Texture 2 221805004-0005A	Knock Down Textured Plaster -R4,R7	White/Beige Non-Fibrous Heterogeneous		20% Ca Carbonate 78% Non-fibrous (Other)	2% Chrysotile
Inseparable paint / coating layer included in analysis					
4625M-R4-PL1E-Skin Coat 221805004-0005B	Knock Down Textured Plaster -R4,R7	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Initial report from: 07/12/2018 17:14:41



EMSL Analytical, Inc.

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<http://www.EMSL.com> / denverlab@emsl.com

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Pueblo, CO 81003
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Fax: (719) 542-2807
Received Date: 07/06/2018 10:10 AM
Analysis Date: 07/11/2018 - 07/12/2018
Collected Date: 06/29/2018
Project: 18-3066-CDOT-A-AP83

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R4-PL1E-Plaster 221805004-0005C	Knock Down Textured Plaster -R4,R7	Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4625M-R6-TD2A-Texture 1 221805004-0006	Knockdown Textured Drywall-R6	White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R6-TD2A-Texture 2 221805004-0006A	Knockdown Textured Drywall-R6	Beige Non-Fibrous Homogeneous		10% Ca Carbonate 88% Non-fibrous (Other)	2% Chrysotile
4625M-R6-TD2A-Tape 221805004-0006B	Knockdown Textured Drywall-R6	Beige Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
4625M-R6-TD2A-Joint Compound 221805004-0006C	Knockdown Textured Drywall-R6	Beige Non-Fibrous Homogeneous		10% Ca Carbonate 88% Non-fibrous (Other)	2% Chrysotile
4625M-R6-TD2A-Drywall 221805004-0006D	Knockdown Textured Drywall-R6	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R6-TD2B-Texture 1 221805004-0007	Knockdown Textured Drywall-R6	Tan/White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R6-TD2B-Texture 2 221805004-0007A	Knockdown Textured Drywall-R6	Beige Non-Fibrous Homogeneous		10% Ca Carbonate 88% Non-fibrous (Other)	2% Chrysotile
4625M-R6-TD2B-Drywall 221805004-0007B	Knockdown Textured Drywall-R6	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected

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Collected Date: 06/29/2018
Project: 18-3066-CDOT-A-AP83

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R6-TD2C-Texture 1 221805004-0008	Knockdown Textured Drywall-R6	White/Orange Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R6-TD2C-Texture 2 221805004-0008A	Knockdown Textured Drywall-R6	White/Purple Non-Fibrous Heterogeneous		15% Ca Carbonate 83% Non-fibrous (Other)	2% Chrysotile
Inseparable paint / coating layer included in analysis					
4625M-R6-TD2C-Drywall 221805004-0008B	Knockdown Textured Drywall-R6	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R3-TD3A-Texture 1 221805004-0009	Textured Drywall-R3	White/Blue Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R3-TD3A-Texture 2 221805004-0009A	Textured Drywall-R3	Yellow/Beige Non-Fibrous Heterogeneous		15% Ca Carbonate 83% Non-fibrous (Other)	2% Chrysotile
Inseparable paint / coating layer included in analysis					
4625M-R3-TD3A-Tape 221805004-0009B	Textured Drywall-R3	Beige Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
4625M-R3-TD3A-Joint Compound 221805004-0009C	Textured Drywall-R3	Beige Non-Fibrous Homogeneous		15% Ca Carbonate 83% Non-fibrous (Other)	2% Chrysotile
4625M-R3-TD3A-Drywall 221805004-0009D	Textured Drywall-R3	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected

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Project: 18-3066-CDOT-A-AP83

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R3-TD3B-Te xture 1 221805004-0010	Textured Drywall-R3	White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R3-TD3B-Te xture 2 221805004-0010A	Textured Drywall-R3	Beige Non-Fibrous Heterogeneous		10% Ca Carbonate 88% Non-fibrous (Other)	2% Chrysotile
4625M-R3-TD3B-Dr ywall 221805004-0010B	Textured Drywall-R3	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R3-TD3C-Te xture 1 221805004-0011	Textured Drywall-R3	White Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
4625M-R3-TD3C-Te xture 2 221805004-0011A	Textured Drywall-R3	White Non-Fibrous Homogeneous		10% Ca Carbonate 88% Non-fibrous (Other)	2% Chrysotile
4625M-R3-TD3C-Dr ywall 221805004-0011B	Textured Drywall-R3	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R5-TD4A-Te xture 221805004-0012	Textured Drywall-R5, C3	Blue Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
4625M-R5-TD4A-Dr ywall 221805004-0012A	Textured Drywall-R5, C3	Tan/Beige Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R5-TD4B-Te xture 221805004-0013	Textured Drywall-R5, C3	Blue Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R5-TD4B-Ta pe 221805004-0013A	Textured Drywall-R5, C3	Yellow Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
4625M-R5-TD4B-Joi nt Compound 221805004-0013B	Textured Drywall-R5, C3	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
4625M-R5-TD4B-Dr ywall 221805004-0013C	Textured Drywall-R5, C3	Tan/Beige Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-C3-TD4C-Te xture 221805004-0014	Textured Drywall-R5, C3	White/Blue Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-C3-TD4C-Dr ywall 221805004-0014A	Textured Drywall-R5, C3	Brown/Tan Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R5-PL5A-Te xture 221805004-0015	Smooth Textured Plaster-R5	Blue/Beige Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R5-PL5A-Ski m Coat 221805004-0015A	Smooth Textured Plaster-R5	White Non-Fibrous Heterogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R5-PL5A-Pla ster 221805004-0015B	Smooth Textured Plaster-R5	Tan/Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4625M-R5-PL5B-Te xture 221805004-0016	Smooth Textured Plaster-R5	Blue Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R5-PL5B-Ski m Coat 221805004-0016A	Smooth Textured Plaster-R5	White Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R5-PL5B-Pla ster 221805004-0016B	Smooth Textured Plaster-R5	Tan/Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4625M-R5-PL5C-Te xture 221805004-0017	Smooth Textured Plaster-R5	White/Blue Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R5-PL5C-Ski m Coat 221805004-0017A	Smooth Textured Plaster-R5	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4625M-R5-PL5C-Pla ster 221805004-0017B	Smooth Textured Plaster-R5	Tan/Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4625M-R1-TD6A-Te xture 221805004-0018	Knock Down Textured Drywall-R1	Tan/White Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R1-TD6A-Dr ywall 221805004-0018A	Knock Down Textured Drywall-R1	Tan/Beige Fibrous Homogeneous	20% Cellulose	65% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R1-TD6B-Te xture 221805004-0019	Knock Down Textured Drywall-R1	Tan/White Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R1-TD6B-Dr ywall 221805004-0019A	Knock Down Textured Drywall-R1	Tan/Beige Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R1-TD6C-Texture 221805004-0020	Knock Down Textured Drywall-R1	Tan/White Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R1-TD6C-Drywall 221805004-0020A	Knock Down Textured Drywall-R1	Brown/Tan Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R1-TD6Q-Texture 221805004-0021	Knock Down Textured Drywall-R1	Tan/White Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R1-TD6Q-Drywall 221805004-0021A	Knock Down Textured Drywall-R1	Brown/Tan Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R1-PL7A-Texture 1 221805004-0022	Textured Plaster-R1	Tan/White Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4625M-R1-PL7A-Texture 2 221805004-0022A	Textured Plaster-R1	Beige Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
4625M-R1-PL7A-Skim Coat 221805004-0022B	Textured Plaster-R1	White Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4625M-R1-PL7A-Plaster 221805004-0022C	Textured Plaster-R1	Gray/Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4625M-R1-PL7B-Texture 1 221805004-0023	Textured Plaster-R1	Tan/White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R1-PL7B-Te xture 2 221805004-0023A	Textured Plaster-R1	Beige Non-Fibrous Heterogeneous		10% Ca Carbonate 88% Non-fibrous (Other)	2% Chrysotile
Inseparable paint / coating layer included in analysis					
4625M-R1-PL7B-Ski m Coat 221805004-0023B	Textured Plaster-R1	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4625M-R1-PL7B-Pla ster 221805004-0023C	Textured Plaster-R1	Gray/Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4625M-R1-PL7C-Te xture 1 221805004-0024	Textured Plaster-R1	White/Beige Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R1-PL7C-Te xture 2 221805004-0024D	Textured Plaster-R1	Beige Non-Fibrous Heterogeneous		10% Ca Carbonate 88% Non-fibrous (Other)	2% Chrysotile
Inseparable paint / coating layer included in analysis					
4625M-R1-PL7C-Ski m Coat 221805004-0024E	Textured Plaster-R1	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4625M-R1-PL7C-Pla ster 221805004-0024F	Textured Plaster-R1	Gray/Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4625M-R2-PL8A-Te xture 1 221805004-0025	Textured Plaster-R2	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4625M-R2-PL8A-Te xture 2 221805004-0025A	Textured Plaster-R2	Beige Non-Fibrous Homogeneous		10% Ca Carbonate 88% Non-fibrous (Other)	2% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R2-PL8A-Ski m Coat 221805004-0025B	Textured Plaster-R2	Yellow Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
4625M-R2-PL8A-Pla ster 221805004-0025C	Textured Plaster-R2	Gray Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	<1% Chrysotile
4625M-R2-PL8B-Te xture 221805004-0026	Textured Plaster-R2	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R2-PL8B-Ski m Coat 221805004-0026A	Textured Plaster-R2	Gray Fibrous Homogeneous		5% Ca Carbonate 92% Non-fibrous (Other)	3% Chrysotile
4625M-R2-PL8B-Pla ster 221805004-0026B	Textured Plaster-R2	Gray Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	<1% Chrysotile
4625M-R2-PL8C-Te xture 221805004-0027	Textured Plaster-R2	Beige Non-Fibrous Heterogeneous		10% Ca Carbonate 88% Non-fibrous (Other)	2% Chrysotile
Inseparable paint / coating layer included in analysis					
4625M-R2-PL8C-Pla ster 221805004-0027A	Textured Plaster-R2	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
4625M-R2-FT9A-Flo oring 221805004-0028	Wood Pattern Floor Tile-R2	Beige Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
4625M-R2-FT9A-Ma stic 221805004-0028A	Wood Pattern Floor Tile-R2	Brown Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R2-FT9B-Flooring 221805004-0029	Wood Pattern Floor Tile-R2	Beige Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
4625M-R2-FT9B-Mastic 221805004-0029A	Wood Pattern Floor Tile-R2	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R2-FT9C-Flooring 221805004-0030	Wood Pattern Floor Tile-R2	Beige Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
4625M-R2-FT9C-Mastic 221805004-0030A	Wood Pattern Floor Tile-R2	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R1-A10A 221805004-0031	Floor Adhesive-R1	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R1-A10B 221805004-0032	Floor Adhesive-R1	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R1-A10C 221805004-0033	Floor Adhesive-R1	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R7-CM11A-Ceramic Tile 221805004-0034	Ceramic Tile/Mortar	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R7-CM11A-Grout 221805004-0034A	Ceramic Tile/Mortar	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4625M-R1-CM11B-Ceramic Tile 221805004-0035	Ceramic Tile/Mortar	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R1-CM11B-T hinset 221805004-0035A	Ceramic Tile/Mortar	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4625M-R5-CM11C-C eramic Tile 221805004-0036	Ceramic Tile/Mortar	Brown/Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R5-CM11C-G rout 221805004-0036A	Ceramic Tile/Mortar	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4625M-R5-CM11C-T hinset 221805004-0036B	Ceramic Tile/Mortar	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4625M-R9-TD12A-T exture 221805004-0037	Spray Texture Drywall-R9	Tan/White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R9-TD12A-D rywall 221805004-0037A	Spray Texture Drywall-R9	Tan/Beige Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R9-TD12B-T exture 221805004-0038	Spray Texture Drywall-R9	Tan/White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R9-TD12B-D rywall 221805004-0038A	Spray Texture Drywall-R9	Tan/Beige Non-Fibrous Homogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected
4625M-R9-TD12C-T exture 221805004-0039	Spray Texture Drywall-R9	White/Orange Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R9-TD12C-D rywall 221805004-0039A	Spray Texture Drywall-R9	Brown/Tan Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R8-TD13A-T exture 221805004-0040	Heavy Spray Textured Drywall	White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R8-TD13A-D rywall 221805004-0040A	Heavy Spray Textured Drywall	Tan/Beige Fibrous Homogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected
4625M-R8-TD13Q-T exture 221805004-0041	Heavy Spray Textured Drywall	White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R8-TD13Q-D rywall 221805004-0041A	Heavy Spray Textured Drywall	Brown/Tan Fibrous Homogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected
4625M-R12-TD13B- Texture 221805004-0042	Heavy Spray Textured Drywall	White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R12-TD13B- Drywall 221805004-0042A	Heavy Spray Textured Drywall	Beige Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R13-TD13C- Texture 221805004-0043	Heavy Spray Textured Drywall	White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R13-TD13C- Drywall 221805004-0043A	Heavy Spray Textured Drywall	Brown/Tan Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-H-TD14A-Texture 221805004-0044	Knockdown Textured Drywall-R11, H	White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-H-TD14A-Drywall 221805004-0044A	Knockdown Textured Drywall-R11, H	Tan/Beige Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-H-TD14B 221805004-0045	Knockdown Textured Drywall-R11, H	Tan/White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R11-TD14C-Texture 221805004-0046	Knockdown Textured Drywall-R11, H	White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R11-TD14C-Joint Compound 221805004-0046A	Knockdown Textured Drywall-R11, H	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
4625M-R11-TD14C-Drywall 221805004-0046B	Knockdown Textured Drywall-R11, H	Tan/Beige Non-Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R11-TD14D-Texture 221805004-0047	Knockdown Textured Drywall-R11, H	Tan Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R11-TD14D-Drywall 221805004-0047A	Knockdown Textured Drywall-R11, H	Tan/Beige Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R11-TD14E-T exture 221805004-0048	Knockdown Textured Drywall-R11, H	White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R11-TD14E- Drywall 221805004-0048A	Knockdown Textured Drywall-R11, H	Brown/Tan Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R12-TD15A- Texture 221805004-0049	Textured Drywall-R12	White/Purple Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
4625M-R12-TD15A- Drywall 221805004-0049A	Textured Drywall-R12	Beige Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R12-TD15B- Texture 221805004-0050	Textured Drywall-R12	White/Purple Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R12-TD15B- Drywall 221805004-0050A	Textured Drywall-R12	Beige Fibrous Homogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected
4625M-R12-TD15C- Texture 221805004-0051	Textured Drywall-R12	White/Purple Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R12-TD15C- Drywall 221805004-0051A	Textured Drywall-R12	Brown/Tan Fibrous Homogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected
4625M-R13-TD16A- Texture 221805004-0052	Textured Drywall-R13	Red Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R13-TD16A- Drywall 221805004-0052A	Textured Drywall-R13	Beige Non-Fibrous Homogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R13-TD16B- Texture 221805004-0053	Textured Drywall-R13	White/Red Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R13-TD16B- Texture 2 221805004-0053A	Textured Drywall-R13	Blue Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R13-TD16B- Drywall 221805004-0053B	Textured Drywall-R13	Beige Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4625M-R13-TD16C- Texture 221805004-0054	Textured Drywall-R13	White/Red Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4625M-R13-TD16C- Drywall 221805004-0054A	Textured Drywall-R13	Brown/Tan Fibrous Homogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected
4625M-H-M17A 221805004-0055	Floor Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R11-M17B 221805004-0056	Floor Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R11-M17C 221805004-0057	Floor Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-H-CT18A 221805004-0058	Ceiling Tile 1'x1'	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
4625M-H-CT18B 221805004-0059	Ceiling Tile 1'x1'	Tan Non-Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
4625M-H-CT18C 221805004-0060	Ceiling Tile 1'x1'	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
4625M-H-CT18Q 221805004-0061	Ceiling Tile 1'x1'	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
4625M-R12-L19A-FI 221805004-0062	Linoleum-R12 looring	Gray/Beige Fibrous Homogeneous	20% Cellulose 5% Glass	75% Non-fibrous (Other)	None Detected
4625M-R12-L19A-M 221805004-0062A	Linoleum-R12 astic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R12-L19B-FI 221805004-0063	Linoleum-R12 looring	Gray/Beige Fibrous Homogeneous	20% Cellulose 5% Glass	75% Non-fibrous (Other)	None Detected
4625M-R12-L19B-M 221805004-0063A	Linoleum-R12 astic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R12-L19C-FI 221805004-0064	Linoleum-R12 looring	Gray/Beige Fibrous Homogeneous	20% Cellulose 5% Glass	75% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R12-L19C-M astic 221805004-0064A	Linoleum-R12	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R13-L20A-Li noleum 221805004-0065	Linoleum-R13	Tan Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
4625M-R13-L20A-M astic 221805004-0065A	Linoleum-R13	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R13-L20B-Li noleum 221805004-0066	Linoleum-R13	Tan Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
4625M-R13-L20B-M astic 221805004-0066A	Linoleum-R13	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R13-L20C-FI ooring 221805004-0067	Linoleum-R13	Tan/Beige Non-Fibrous Homogeneous	20% Cellulose 5% Glass	75% Non-fibrous (Other)	None Detected
4625M-R13-L20C-M astic 221805004-0067A	Linoleum-R13	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R8-CMU21A -CMU 221805004-0068	CMU/Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R8-CMU21A -Mortar 221805004-0068A	CMU/Mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-R10-CMU21 B-CMU 221805004-0069	CMU/Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Initial report from: 07/12/2018 17:14:41



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221805004
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 07/06/2018 10:10 AM
Analysis Date: 07/11/2018 - 07/12/2018
Collected Date: 06/29/2018

Project: 18-3066-CDOT-A-AP83

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-R10-CMU21 B-Mortar 221805004-0069A	CMU/Mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-H-CMU21C- CMU 221805004-0070	CMU/Mortar	Gray Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4625M-H-CMU21C- Mortar 221805004-0070A	CMU/Mortar	Gray Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4625M-H-CMU21C-P laster 221805004-0070B	CMU/Mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4625M-EX-WG22A 221805004-0071	Window Glazing	Tan Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
4625M-EX-WG22B 221805004-0072	Window Glazing	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4625M-EX-WG22C 221805004-0073	Window Glazing	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4625M-EX-VB23A 221805004-0074	Vapor Barrier	Tan/Silver Fibrous Heterogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
Result includes a small amount of inseparable attached material					
4625M-EX-VB23B 221805004-0075	Vapor Barrier	Tan/Silver Fibrous Heterogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
Result includes a small amount of inseparable attached material					

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Initial report from: 07/12/2018 17:14:41



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EMSL Order: 221805004
Customer ID: ALLP62
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Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 07/06/2018 10:10 AM
Analysis Date: 07/11/2018 - 07/12/2018
Collected Date: 06/29/2018

Project: 18-3066-CDOT-A-AP83

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-EX-VB23C 221805004-0076	Vapor Barrier	Tan/Silver Fibrous Heterogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
Result includes a small amount of inseparable attached material					
4625M-EX-R24A 221805004-0077	Roofing-House	Black Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
4625M-EX-R24B 221805004-0078	Roofing-House	Black Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
4625M-EX-R24C 221805004-0079	Roofing-House	Black Non-Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
4625M-EX-R25A-Shingle 221805004-0080	Roofing-Porch	Black Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
4625M-EX-R25A-Felt 221805004-0080A	Roofing-Porch	Black Fibrous Homogeneous	35% Glass	65% Non-fibrous (Other)	None Detected
4625M-EX-R25Q-Shingle 221805004-0081	Roofing-Porch	Black Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
4625M-EX-R25Q-Felt 221805004-0081A	Roofing-Porch	Black Fibrous Homogeneous	35% Glass	65% Non-fibrous (Other)	None Detected
4625M-EX-R25B-Shingle 221805004-0082	Roofing-Porch	Black Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
4625M-EX-R25B-Felt 221805004-0082A	Roofing-Porch	Black Fibrous Homogeneous	30% Cellulose 15% Glass	55% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Initial report from: 07/12/2018 17:14:41



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221805004
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 07/06/2018 10:10 AM
Analysis Date: 07/11/2018 - 07/12/2018
Collected Date: 06/29/2018
Project: 18-3066-CDOT-A-AP83

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4625M-EX-R25C-Shi ngle 221805004-0083	Roofing-Porch	Black Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
4625M-EX-R25C-Fel t 221805004-0083A	Roofing-Porch	Black Fibrous Homogeneous	30% Cellulose 15% Glass	55% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Initial report from: 07/12/2018 17:14:41



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221805004
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Project: 18-3066-CDOT-A-AP83

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 07/06/2018 10:10 AM
Analysis Date: 07/11/2018 - 07/12/2018
Collected Date: 06/29/2018

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 07/06/2018 Sample Receipt Time: 10:10 AM
Analysis Completed Date: 07/12/2018 Analysis Completed Time: 5:08 PM

Analyst(s):

Cassandra Schorzman PLM (63)

Gentry Catlett PLM (16)

Timothy Kleehammer PLM (104)

Samples Reviewed and approved by:

Amanda Lang, Asbestos Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Initial report from: 07/12/2018 17:14:41

7/11



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody
EMSL Order Number (Lab Use Only):

221805004

EMSL Analytical, Inc.
1010 Yuma Street

Denver, CO 80204
PHONE: (303) 740-5700
FAX: (303) 741-1400

Company: All-Phase Environmental Consultants, Inc.		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same <small>If Bill to is Different note instructions in Comments**</small>	
Street: 721 W. 9th Street		<i>Third Party Billing requires written authorization from third party</i>	
City: Pueblo	State/Province: CO	Zip/Postal Code: 81003	Country: United States
Report To (Name): Logan Greenfield		Telephone #: 719-250-0036	
Email Address: logan@allphaseenvironmental.com		Fax #:	Purchase Order:
Project Name/Number: 18-3066-CDOT-A-AP83		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: CO		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* - Please Check

3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	TEM- Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique Other: <input type="checkbox"/>
---	--	---

Check For Positive Stop - Clearly Identify Homogenous Group

Filter Pore Size (Air Samples): 0.8µm 0.45µm

Samplers Name: Logan Greenfield

Samplers Signature: *[Signature]*

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
4625M-R7-PL1A	Knockdown Textured Plaster-R4,R7		6-29-18
4625M-R7-PL1B	↓		
4625M-R7-PL1C	↓		
4625M-R4-PL1D	↓		
4625M-R4-PL1E	↓		
4625M-R6-TD2A	Knockdown Textured Drywall-R6		
4625M-R6-TD2B	↓		↓
4625M-R6-TD2C	↓		

Client Sample # (s): _____ Total # of Samples: **83**

Relinquished (Client): *[Signature]* Date: **7-3-18** Time: **550**

Received (Lab): *[Signature]* Date: **7/6/18** Time: **10:10**

Comments/Special Instructions: **E-TOE 795502595065**

3/5



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

221805004

Denver, CO 80204
PHONE: (303) 740-5700
FAX: (303) 741-1400

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled		
4625M-R3-TD3A	Textured Drywall-R3	↓	↓		
4625M-R3-TD3B	↓				
4625M-R3-TD3C	↓				
4625M-R5-TD4A	Textured Drywall-R5, C3				
4625M-R5-TD4B	↓				
4625M-C3-TD4C	↓				
4625M-R5-PL5A	Smooth Textured Plaster-R5				
4625M-R5-PL5B	↓				
4625M-R5-PL5C	↓				
4625M-R1-TD6A	Knockdown Textured Drywall-R1				
4625M-R1-TD6B	↓				
4625M-R1-TD6C	↓				
4625M-R1-TD6Q	↓				
4625M-R1-PL7A	Textured Plaster-R1				
4625M-R1-PL7B	↓				
4625M-R1-PL7C	↓				
4625M-R2-PL8A	Textured Plaster-R2				
4625M-R2-PL8B	↓				
4625M-R2-PL8C	↓				
4625M-R2-FT9A	Wood Pattern Floor Tile-R2				
4625M-R2-FT9B	↓				
4625M-R2-FT9C	↓				
4625M-R1-A10A	Floor Adhesive-R1				
4625M-R1-A10B	↓				
*Comments/Special Instructions:					



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221805004

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PHONE: (303) 740-5700
FAX: (303) 741-1400

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
4625M-R1-A10C	Floor Adhesive-R1	↓	6-29-18
4625M-R7-CM11A	Ceramic Tile/Mortar		
4625M-R1-CM11B	↓		
4625M-R5-CM11C	↓		
4625M-R9-TD12A	Spray Textured Drywall-R9		
4625M-R9-TD12B	↓		
4625M-R9-TD12C	↓		
4625M-R8-TD13A	Heavy Spray Textured Drywall		
4625M-R8-TD13Q	↓		
4625M-R12-TD13B	↓		
4625M-R13-TD13C	↓		
4625M-H-TD14A	Knockdown Textured Drywall-R11, H		
4625M-H-TD14B	↓		
4625M-R11-TD14C	↓		
4625M-R11-TD14D	↓		
4625M-R11-TD14E	↓		
4625M-R12-TD15A	Textured Drywall-R12		
4625M-R12-TD15B	↓		
4625M-R12-TD15C	↓		
4625M-R13-TD16A	Textured Drywall-R13		
4625M-R13-TD16B	↓		
4625M-R13-TD16C	↓		
4625M-H-M17A	Floor Mastic		
4625M-R11-M17B	↓		
*Comments/Special Instructions:			



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PHONE: (303) 740-5700
FAX: (303) 741-1400

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
4625M-R11-M17C	Floor Mastic		6-29-18
4625M-H-CT18A	Ceiling Tile 1'x1'		
4625M-H-CT18B	↓		
4625M-H-CT18C			
4625M-H-CT18Q	↓		
4625M-R12-L19A	Linoleum-R12		
4625M-R12-L19B	↓		
4625M-R12-L19C			
4625M-R13-L20A	Linoleum-R13		
4625M-R13-L20B	↓		
4625M-R13-L20C			
4625M-R8-CMU21A	CMU/Mortar		
4625M-R10-CMU21B	↓		
4625M-H-CMU21C			
4625M-EX-WG22A	Window Glazing		
4625M-EX-WG22B	↓		
4625M-EX-WG22C			
4625M-EX-VB23A	Vapor Barrier		
4625M-EX-VB23B	↓		
4625M-EX-VB23C			
4625M-EX-R24A	Roofing-House		
4625M-EX-R24B	↓		
4625M-EX-R24C			
4625M-EX-R25A	Roofing-Porch		↓
*Comments/Special Instructions:			

D

LABORATORY RESULTS &
CHAIN OF CUSTODY -
LEAD & TCLP





EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>

cinnaminsonleadlab@emsl.com

EMSL Order:	201807364
CustomerID:	ALLP62
CustomerPO:	
ProjectID:	

Attn: **Richard Ralston**
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO

Phone: (719) 225-6953
 Fax: (719) 542-2807
 Received: 07/09/18 10:00 AM
 Collected: 6/29/2018

Project: **18-3066-C70-L-AP-83**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
4625M-R7-1L Site: Window Wood - Brown	201807364-0001	6/29/2018	7/11/2018	0.2548 g	<0.0080 % wt
4625M-R7-2L Site: Wall Plaster - Light Glue	201807364-0002	6/29/2018	7/11/2018	0.2619 g	<0.0080 % wt
4625M-R6-3L Site: Plaster Room 6 BR - Tan	201807364-0003	6/29/2018	7/11/2018	0.2612 g	<0.0080 % wt
4625M-R6-4L Site: Window Wood Room 6 BR - White	201807364-0004	6/29/2018	7/11/2018	0.2576 g	0.015 % wt
4625M-C3-5L Site: Chocolate Brown Plaster C3 - Chocolate Brown	201807364-0005	6/29/2018	7/11/2018	0.2817 g	<0.0080 % wt
4625M-C3-6L Site: Drywall C3 - Dark Blue	201807364-0006	6/29/2018	7/11/2018	0.2797 g	<0.0080 % wt
4625M-C3-7L Site: Drywall Room C2 - Light Tan	201807364-0007	6/29/2018	7/11/2018	0.2621 g	<0.0080 % wt
4625M-C3-8L Site: Plaster Room 3 - Light Blue	201807364-0008	6/29/2018	7/11/2018	0.2563 g	<0.0080 % wt
4625M-C3-9L Site: Plaster Room 12 - Lilac	201807364-0009	6/29/2018	7/11/2018	0.2687 g	<0.0080 % wt
4625M-C3-10L Site: Plaster R13 Basement - Red	201807364-0010	6/29/2018	7/11/2018	0.2610 g	<0.0080 % wt
4625M-C3-11L Site: Vinyl Exterior - Brgdy	201807364-0011	6/29/2018	7/11/2018	0.2563 g	<0.0080 % wt
4625M-C3-12L Site: Stair Railing Wood - White	201807364-0012	6/29/2018	7/11/2018	0.1580 g	<0.013 % wt

Phillip Worby, Lead Laboratory Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 07/12/2018 11:13:55

AP 83



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

201807364

EMSL Analytical, Inc.
200 Route 130 North

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Company: All-Phase Environmental Consultants, Inc		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**		
Street: 721 West 9th Street		Third Party Billing requires written authorization from third party		
City: Pueblo	State/Province: CO	Zip/Postal Code: 81003	Country: US	
Report To (Name): Richard Ralston		Telephone #: 7192256953		
Email Address: rick@allphaseenvironmental.com		Fax #: 719-542-2807	Purchase Order:	
Project Name/Number: 18-3066-C70-L-AP- 83		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		
U.S. State Samples Taken: CO		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt		
Turnaround Time (TAT) Options* - Please Check				
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week	
<small>*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide</small>				
Matrix	Method	Instrument	Reporting Limit	Check
Chips <input checked="" type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm (mg/kg)	SW846-7000B	Flame Atomic Absorption	0.01%	<input checked="" type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300M/NIOSH 7303	ICP-OES	0.5 µg/filter	<input type="checkbox"/>
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> <small>*if no box checked, non-ASTM Wipe assumed</small>	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	1.0 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1311/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
SPLP	SW846-1312/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1312/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>
Name of Sampler: R Ralston		Signature of Sampler: R Ralston		
Sample #	Location	Volume/Area	Date/Time Sampled	
1 4625M-R7-1L WINDOW	wood	Brown	6/29/2018	
2 4625M-R7-2L WALL	PLASTER	Light Blue	↓	
Client Sample #s		Total # of Samples: 12		
Relinquished (Client): R Ralston	Date: 7-6-18	Time: 4:30		
Received (Lab): [Signature]	Date: 7/9/18	Time: 10:15 AM		
Comments: Bill To: All-Phase Environmental Consultants, Inc, 721 West 9th Street, Pueblo, CO, 81003, US Attention: Brandice Eslinger Phone: 719-240-4690 Email: brandice@allphaseenvironmental.com Purchase Order:				



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Chain of Custody

EMSL Order Number (Lab Use Only)

PHONE:
FAX

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
3	4625M - R6-3L Plaster Room 6 BR	TAN	6-29-18
4	. R6-4L Window wood Room 6 BR	white	
5	C3-5L Charlotte Brown Plaster C3	Charcoal Brown.	
6	C3-6L DRYWALL C3	DARK BLUE	
7	7L DRYWALL Room C2	Light tan	
8	8L Plaster Room 3	Light Blue	
9	9L Plaster Room 12	Lilac	
10	10L Plaster R13 BASEMENT	Red	
11	11L Vinyl EXTERIOR	Grey	
12	12L STAIR RAILINGS wood	White	

*Comments/Special Instructions:

Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

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EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>

cinnaminsonleadlab@emsl.com

EMSL Order: 201807363
CustomerID: ALLP62
CustomerPO:
ProjectID:

Attn: **Rick Ralston**
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003

Phone: (719) 545-0375
Fax: (719) 542-2807
Received: 07/09/18 10:00 AM
Collected: 6/29/2018

Project: 18-3066-C70-T-AP-83

Test Report: Toxicity Characteristic Leachate Procedure (1311/7000B)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
4625M-T-1	201807363-0001	6/29/2018	7/11/2018	<0.40 mg/L
Site: Entire House				

Phillip Worby, Lead Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

Initial report from 07/12/2018 15:52:46



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Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

201807363

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Company: All-Phase Environmental Consultants, Inc		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: 721 West 9th Street		<i>Third Party Billing requires written authorization from third party</i>	
City: Pueblo	State/Province: CO	Zip/Postal Code: 81003	Country: US
Report To (Name): Richard Ralston		Telephone #: 7192256953	
Email Address: rick@allphaseenvironmental.com		Fax #: 719-542-2807	Purchase Order:
Project Name/Number: 18-3066-C70-TAP-83		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: CO		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

3 Hour
 6 Hour
 24 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm (mg/kg)	SW846-7000B	Flame Atomic Absorption	0.01%	<input type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300M/NIOSH 7303	ICP-OES	0.5 µg/filter	<input type="checkbox"/>
Wipe* ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> <small>*if no box checked, non-ASTM Wipe assumed</small>	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	1.0 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input checked="" type="checkbox"/>
	SW846-1311/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
SPLP	SW846-1312/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1312/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO₃ pH < 2 <input type="checkbox"/>	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Name of Sampler: *Rick Ralston*

Signature of Sampler: *RRalston*

Sample #	Location	Volume/Area	Date/Time Sampled
<i>4625m-T-1</i>	<i>Entire House</i>	<i>approx. 1/2 lb.</i>	<i>6-29-18</i>

Client Sample #s: *-* Total # of Samples: *1*

Relinquished (Client): *[Signature]* Date: *7-6-18* Time: *437*

Received (Lab): *[Signature]* Date: *7/9/18* Time: *10 L OSLPX*

Comments:
Bill To: All-Phase Environmental Consultants, Inc, 721 West 9th Street, Pueblo, CO, 81003, US
Attention: Brandice Eslinger Phone: 719-240-4690 Email: brandice@allphaseenvironmental.com Purchase Order:

6b. Asbestos Abatement Project Design



**Foothills
Environmental, Inc.**

Industrial Hygiene, Safety & Environmental Services

(Version 1, 11/27/18)

**ASBESTOS ABATEMENT
PROJECT DESIGN**

SINGLE FAMILY RESIDENCE ABATEMENT PROJECT

**4625 MILWAUKEE STREET
DENVER, COLORADO 80216**

PREPARED FOR:

**JKS Industries, LLC
747 Sheridan Blvd., #9A
Lakewood, Colorado 80214**

November 27, 2018

FEI Project Number: AS18207-16

Prepared By:

Nicolas D. Vasquez, CDPHE Cert #22566
Foothills Environmental

Foothills Environmental, Inc.
11099 W. 8th Ave.
Lakewood, Colorado 80215
Phone: 303-232-2660

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1.0 Scope of Work

1.1 Materials Identified for Removal

The General Abatement Contractor (GAC) will be performing the removal of asbestos containing material(s) as indicated in the table below. This information was gathered from the inspection report prepared by All-Phase Environmental Consultants (APEC) dated July 26, 2018. A copy of the Inspection and this Project Design will be available onsite during the course of the project. The total amount of actual asbestos containing material to be removed is estimated to be greater than 160 sf/260 lf or the equivalent of a 55 gallon drum.

The following ACM was identified for removal prior to demolition:

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification	Estimated Quantity (Sq. ft.)				
4625M-R7-PL1A	ROOM 7	ND	HOMOGENOUS TO SAMPLES 4625M-R4-PL1D & 4625M-R4-PL1E									
4625M-R7-PL1B		ND										
4625M-R7-PL1C		ND										
4625M-R4-PL1D	ROOM 4	Texture 2 2%Chrysotile	PLM	GOOD	KNOCKDOWN TEXTURED PLASTER-R4, R7	WALLS AND CEILINGS OF ROOM 4 & 7	RACM	1030 Sq.ft				
4625M-R4-PL1E		Texture 2 2%Chrysotile	PLM	GOOD								
4625M-R6-TD2A	ROOM 6	ND	HOMOGENOUS TO SAMPLES 4625M-R6-TD2B & 4625M-R6-TD2C									
4625M-R6-TD2B		Texture 2 2%Chrysotile	PLM	GOOD					KNOCKDOWN TEXTURED DRYWALL-R6	WALLS AND CEILING OF ROOM 6 & C2	RACM	480 Sq.ft
4625M-R6-TD2C		Texture 2 2%Chrysotile	PLM	GOOD								
4625M-R3-TD3A	ROOM 3	Texture 2 /Joint compound 2%Chrysotile	PLM	GOOD	TEXTURED DRYWALL-R3	WALLS AND CEILING OF ROOM 3 & C1	RACM	510 Sq.ft				
4625M-R3-TD3B		Texture 2 2%Chrysotile	PLM	GOOD								
4625M-R3-TD3C		Texture 2 2%Chrysotile	PLM	GOOD								
4625M-R1-PL7A	ROOM 1	Texture 2 2%Chrysotile	PLM	GOOD	TEXTURED PLASTER-R1	WALLS OF ROOM 1	RACM	368 Sq.ft				
4625M-R1-PL7B		Texture 2 2%Chrysotile	PLM	GOOD								
4625M-R1-PL7C		Texture 2 2%Chrysotile	PLM	GOOD								
4625M-R2-PL8A	ROOM 2	Texture 2 2%Chrysotile	PLM	GOOD	TEXTURED PLASTER-R2	WALLS AND CEILINGS OF ROOM 2	RACM	348 Sq.ft				
4625M-R2-PL8B		Skim coat 3%Chrysotile	PLM	GOOD								
4625M-R2-PL8C		Texture 2 2%Chrysotile	PLM	GOOD								
ND=Non-Detect PLM=Polarized Light Microscopy NA=Not Applicable RACM=Regulated Asbestos Containing Materials												

Regulatory asbestos abatement notification and permit from the Colorado Department of Public Health and Environment (CDPHE) will be required for this project.

1.2 Schedule

The following schedule has been proposed for the project. Phasing and dates are included in Section 1.3, Sequence of Work.

Project Start Date: November 26, 2018
Project Completion Date: December 7, 2018

1.3 Sequence of Work

The following phasing plan has been developed for the abatement. This plan was submitted with the permit application which corresponds to the drawing attached in Appendix A.

- **Phase 1** Start: November 26, 2018
Finish: December 7, 2018

Abatement of textured drywall and plaster in all designated areas will be completed in one full containment.

1.4 Discussion of Removal Methods

All friable and non-friable asbestos-containing materials that will become friable, as well as asbestos contaminated materials that are located in the work area shall be removed from their installed locations inside a full containment and by utilizing wet removal methods and a combination of handheld tools.

Waste generated during removal will be gathered placed into 2 6ml thick properly labeled disposal bags while wet. Work will be accomplished using CDPHE certified supervisors and workers.

Work completion includes preparation of the work area, pre-clean activities, removal and disposal of all specified ACM from the premises, final cleaning of the work area, final visual inspection, lockdown, and final clearance monitoring. The project will be considered complete when all containments and work areas have passed clearance criteria.

The following types of containments will be used during the project followed by procedures for setup and dismantling:

Full Containments

The GAC shall conduct abatement activities in accordance with CDPHE Regulation No. 8 in the following mandatory sequence for full containment:

- 1) Install critical barriers (pursuant to subsection III.I, Critical Barrier Installation)
- 2) Establish negative pressure (pursuant to Regulation No. 8 subsection III.J, Air Cleaning and Negative Pressure Requirements)

Note: The removal of non-ACM building materials and components may only take place after negative air pressure is established in the containment work area(s).

- 3) Construct the decontamination area (pursuant to subsection III.K, Decontamination Area)
- 4) Pre-clean surfaces (pursuant to subsection III.L, Pre-cleaning of Surfaces)
- 5) Cover fixed objects (pursuant to subsection III.M, Covering Fixed Objects)

- 6) Construct the containment (pursuant to subsection III.N, Containment Components)
- 7) Conduct abatement (pursuant to subsection III.O, Abatement Methods)
- 8) Conduct final visual inspection (pursuant to paragraph III.P.1., Final Visual Inspection)
- 9) Conduct final clearance air monitoring (pursuant to paragraph III.P.3., Final Clearance Air Monitoring)
- 10) Conduct the tear-down (pursuant to subsection III.Q., Tear-down)

All waste from the project will be packaged in approved containers and transferred to an approved landfill for disposal. After successful air clearance of each containment the containment can be removed and all non-reusable containment materials will be packaged for disposal. Only visual clearance will be required to verify complete removal of window glazing compound.

2.0 Special Conditions

2.1 Regulatory Notification and Variances

The General Abatement Contractor, (GAC) will make any required notifications to Federal and State entities regulating their work as required by applicable rules, regulations, and standards. This includes, but is not limited, to the National Emission Standards for Hazardous Air Pollutants (NESHAP) notification [notice provided to the Colorado Department of Public Health and Environment (CDPHE) with permit application]. *The abatement contractor is responsible for quantifying amounts of ACM necessary to properly complete the project.*

2.2 Project Manager Requirement

Colorado Regulation No. 8 requires a Project Manager on all asbestos abatement projects in which the amount of friable ACM to be abated exceeds 1,000 linear feet on pipes, or 3,000 square feet on other surfaces. A Project Manager may be required for this project, unless a waiver is requested and granted by CDPHE.

2.3 Facility Occupancy Status

During abatement activities the building will not be occupied by the former tenants but may be visited by owner personnel as well as other tradesmen.

2.4 Site Security

Entry to the regulated asbestos work area is by permission only to authorized personnel. The perimeter of the work area may be monitored during abatement by a certified Air Monitoring Specialist (AMS). Only asbestos certified/licensed personnel employed by the GAC or federal or state regulatory agency personnel and the AMS will be allowed access to the work area. A logbook will be maintained at the entrance to the work area. Everyone who enters the work area must record name, affiliation, time in and time out for each entry.

2.5 Field Changes

Minor modifications to the project design are allowed. Minor changes include but are not limited to, relocation of negative air machines, decontamination facility and waste load-out.

Any modifications to the project design must be approved by the Project Designer before the changes are made.

3.0 Project Design

3.1 Standards and Primacy of Rules

The following standards will be adopted as they pertain to asbestos abatement. In any instance where adopted standards are in conflict with each other, the most stringent shall apply.

- 1) Colorado Department of Public Health and Environment Regulation #8
- 2) 5CCR 1000-10 Part B asbestos handling, transportation, and storage
- 3) 29 CFR 1926.1101, the OSHA Construction Industry Asbestos Standard
- 4) 40 CFR 61 Subpart M, EPA's NESHAP Asbestos Standard
- 5) NIOSH/OSHA/EPA –“Occupational; Safety & Health Guidance Manual for Hazardous Waste Site Activities”, Section 8-20; Heat Stress and Other Physiological Factors.
- 6) All other applicable laws, rules, and regulations, including but not limited to those relating to:
 - 7 Workers' Compensation Insurance;
 - 8 Liability Insurance
 - 9 All contract specifications and documentation

3.2 Site Access

The GAC has access to the facility for the purpose of abatement from 6:30 AM to 5:00 PM until project completion which is projected to be 12/7/18.

3.3 Utilities Service

Access to electrical power, water, and sanitary sewer is not available inside the facility. The contractor will provide utility services during the duration of the project. Any temporary utility lines running to the regulated asbestos work area shall be adequately protected from damage and abrasion from vehicle and foot traffic. All waste water shall be filtered to five (5) microns prior to discharge into a sanitary sewer.

GAC will have to provide temporary restrooms located close to the project site at approved locations for the duration of the project (to be placed in a protected area if possible).

3.4 Decontamination Facilities & Load-Out Facilities

Personnel decontamination facilities shall consist of an Equipment (Dirty) Room, Shower, and a clean room constructed in accordance with Regulation #8 III.K Decontamination Unit. If waste load out is by direct load out, it shall consist of a direct waste loadout configuration that is currently approved by CDPHE (Configuration diagram approved by CDPHE shall be attached to this Project Design if used).

All load-out and disposal procedures shall be in accordance with applicable federal, state, and local regulations and project specifications.

3.5 Critical Barriers

All critical barriers will consist of a minimum 1 layer of 6mil poly critical barrier on all, openings, and vents.

3.6 Negative Pressure Ventilation

The GAC shall maintain a negative pressure differential of -0.02 inches of water in the work areas in accordance with Regulation #8 III.J Air cleaning and Negative Pressure Requirements, until final visual and clearance air monitoring complete. The calculations in the next section take into account at least 1 backup Negative Air Machine (NAM) with HEPA filtration. The contractor will also be using generators for maintaining electrical supply. In the case of generator failure, all workers will leave the work area and seal the containment. A replacement generator will be available onsite or within an hour's time of the project for use in case of failure. Work will resume when negative pressure is restored. If negative pressure is not restored within an hour's time alternate means of electrical supply will be sought. If no supply is available, contractor will contact CDPHE and follow directions for spill response.

3.7 Air Exchange Calculations

AIR CHANGE CALCULATIONS *for a 2000 cfm negative air machine (NAM)*

$$\text{AIR CHANGES} = \frac{A}{B \times C} \quad \text{Where: } A = \text{Work area volume in cubic feet (} l \times w \times h \text{)}$$

$B = 15 \text{ minutes}$
 $C = \text{Estimated rated capacity of NAM (1,500 cfm)}$

Phase 1 – Textured Drywall (Full Containment)

$$\begin{aligned} A &= 50 \times 26 \times 15 = 19500 \quad \text{cubic feet} \\ B \times C &= 22,500 \\ \frac{19500}{22,500} &= 0.87 \end{aligned}$$

1 NAM required
2 NAM's recommended

3.8 Containment Construction

Containments for the asbestos removal shall be constructed in accordance with CDPHE Regulation 8 and this project design. Danger signs will be posted at ingress locations, and approaches to locations, where airborne concentrations of asbestos exceed or can reasonably be expected to exceed the PEL. Signs will be posted at a distance sufficiently far from the work area to permit an employee to read the sign and take the necessary protective measures to avoid exposure. Additional signs may need to be posted following construction of workplace containment barriers.

Danger signs will include the following wording:

**DANGER
ASBESTOS
CANCER AND LUNG DISEASE HAZARD
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE CLOTHING ARE REQUIRED IN THIS AREA**

3.9 Set up of work areas

Full Containment Components

2"x 4"s wood studding can be used as temporary framing and 4' x 8' x 1/2" plywood sheets to support any exterior containment systems; this may include tie wires also where needed. 1 layer of 10 mil re-enforced poly sheeting will be utilized for any exterior critical barriers, negative air machines will be installed once the poly sheeting is installed. A full 3 stage decontamination unit equipped with hot and cold water, shampoo, disposable towels, and a 2 stage water filtration unit filter all water to 5 micron, prior to being discharged into the sanitary sewer system. Two layers of 4 mil poly sheeting will be installed within the 10 mill critical poly sheeting barriers as exterior walls and ceiling if needed. 2 layers of 6 mill poly sheeting will be placed on floors. View ports will be installed where appropriate with a minimum of 12" x 12" Plexi™ glass and or exterior windows.

Air flow testing utilizing smoke tubes will be performed to validate air flow direction and air exchanges.

Pre-Cleaning Activities

Pre-cleaning activities will be performed in accordance with CDPHE Regulation 8. All workers performing pre-cleaning must utilize HEPA equipped vacuums and wet methods. Any prepping activities that will contact non-friable ACM, or be within arms' reach of friable ACM must be accomplished by workers utilizing PPE.

3.10 Asbestos Removal

Removal of materials containing asbestos and contaminated with asbestos shall be performed in accordance with the Colorado Department of Public Health and Environment Regulation 8 III, Abatement, Renovation and Demolition Projects and this project design.

3.11 Asbestos Spill Response

In the event of a spill or a breach of the regulated work area containment, follow procedures in Section III.T. of Regulation No. 8, which includes cleaning the area outside the regulated work area. Visible debris shall be cleaned utilizing HEPA vacuuming and wet wiping plus an additional 10 horizontal feet beyond the visible debris. All filters, mop heads, and cloths utilized during clean-up activities shall be disposed of as asbestos contaminated waste in leak tight containers.

The GAC shall have available, equipment and supplies (HEPA filtered vacuum, airless sprayer with amended water, mops, rags, polyethylene sheeting, duct tape, caution tape...) for spill response in the event of accidental spill of materials containing asbestos.

In the event of an asbestos spill outside the work area containment the GAC shall:

- Make appropriate notices based on size of spill.
- Immediately wet the spilled material and surrounding area with the airless sprayer.
- Restrict access to the spill area and post warning signs to prevent entry to the area by persons other than those necessary to respond to the incident.
- Seal all openings between the contaminated and uncontaminated areas as directed by the asbestos consultant. This is to be accomplished by using polyethylene sheeting and tape.
- HEPA vacuum and wet clean all surfaces in the contaminated area.

Following completion of the above, the on sight Air Monitoring Specialist shall conduct a visual assessment of the spill area to confirm adequate cleaning has been accomplished by the GAC.

3.12 Asbestos Waste Transportation, Storage, and Disposal

All ACM waste must be wrapped in two layers of 6 mil polyethylene sheeting or double-bagged in 6 mil polyethylene bags labeled with the appropriate OSHA label for asbestos and must also bear the generator label as required by EPA's 40 CFR 61 Subpart M NESHAP Standard. Containerizing and transport of asbestos wastes shall be in accordance with applicable federal and state regulations.

The existing installed building finishes, hardscaping and landscaping shall be protected from damage by the GAC, until completion of all works.

Safety scaffolding, rubbish skips, access ladders etc. shall be approved by the client and in accordance with the current Health and Safety regulations.

GAC workers will not drag or drop packaged waste. All waste equipment and materials will be hand carried, or transported in wheeled carts to waste transport vehicles.

All packaged asbestos waste shall be directly loaded from the work area onto a 6mil polyethylene lined enclosed truck or dumpster container for disposal. No waste material may be temporarily stored in the building or the work area containment.

Waste Disposal:

All waste containers shall be transported from the permitted work areas to an approved disposal land fill by the GAC (Denver Aurora Disposal Site).

Waste Transporter:

By 5280 Waste Solutions.

3.13 Final Clean/ Final Visual Inspection Criteria

All interior surfaces of the work area will be free of visible dust and debris. The work area must pass a final visual inspection by a CDPHE Certified Air Monitoring Specialist (AMS) leaving only critical barriers in place.

3.14 Final Air Clearance Monitoring

Clearance criteria for this containment shall be in accordance with CDPHE Regulation #8, Section III.P

For each work area within the project where the amount of ACM is:	State-Permitted Project in Non-School Building	
	Minimum # of samples to clear each of the following:	
	Work Area	Project
Less than 3 square feet/3 linear feet	1	5
From 3 square feet/3 linear feet up to 32 square feet/50 linear feet/volume equivalent of a 55-gallon drum	2	5
Greater than 32 square feet/50 linear feet/volume equivalent of a 55-gallon drum up to 160 square feet/260 linear feet/volume equivalent of a 55-gallon drum	5	5
Greater than 160 square feet/260 linear feet/volume equivalent of a 55-gallon drum	5	5

Upon notification that clearance monitoring levels are acceptable, the GAC may remove critical barriers and demobilize from the work area. If any samples collected for the final air test exceeds (0.01 fibers per cubic centimeter, 0.01 f/cm³ for PCM using the NIOSH Method 7400 or 70 structures per square millimeter (70 s/mm²) as analyzed by the TEM method in 40 C.F.R. Part 763 Appendix A to Subpart E (EPA 1995) the entire work area shall be re-cleaned immediately upon receipt of air test results.

Any failed abatement work area shall be re-tested and the costs associated for additional Final Clearance Air Monitoring shall be borne by the GAC at no additional cost to the Owner.

3.15 Personal Exposure Air Monitoring

The GAC shall be responsible for conducting personal exposure air-monitoring as applicable in accordance with OSHA 29 CFR 1926.1101 Asbestos Construction Standard. Contractor to supply results to personnel and will post results onsite.

3.16 Electrical Hazards Control

All electrical power utilized during the project will be on ground fault circuit interrupters (GFCI) whose power source is located outside the work area.

3.17 Emergency Egress and Fire Protection

The abatement contractor shall abide by the emergency egress rules for the facility. All contractor personnel shall receive emergency procedure orientation specific to the facility prior to initiation of abatement activities.

3.18 Fire Protection Plan

1. No items capable of initiating or sustaining combustion (lighters, matches, torches, etc.) will be allowed in containment.
2. The use of flammable liquids is not permitted.
3. Any electricity utilized must be on Ground Fault Circuit Interrupters (GFCI).
4. A minimum of one, 2A: 20B: C rated fire extinguishers will be maintained on-site. There must be available at least one 2A: 20B: C rated fire extinguisher within a maximum travel distance of 10 feet from any point in the work area.

5. Workers will be trained in the use of fire extinguishers, emergency egress plans, basic fire safety, and emergency reporting procedures prior to work beginning.
6. All emergency exits will be labeled as such with tools available for breaching poly and keys in door locks where necessary.
7. The Contractor must implement an emergency action and fire prevention plan in accordance with 29 CFR 1910.38 Employee emergency plans and fire prevention plans.

3.19 Fall Protection

The GAC shall provide proper fall protection and training for their employees when working above 6 feet of height in accordance with Occupational Safety and Health Administration 29 CFR Part 1926 Subpart M Fall Protection.

3.20 Respiratory Protection / PPE

The GAC shall provide proper respiratory protection for their employees with NIOSH approved HEPA filters during all pre-clean, abatement removal, waste load out procedures and during waste lift operations for effected employees. The GAC shall provide proof of medical fitness to wear respiratory protection and current fit testing documentation for all employees.

3.21 Work Area Protection

The GAC shall repair or replace, to the Owner's satisfaction, any damage caused by the GAC or GAC subcontractors, to existing finishes, landscaping, or other building components.

3.22 Additional PPE

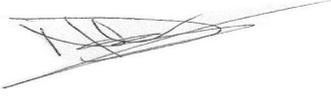
- Hooded Tyvek suits
- Safety Glasses with side shields (exception – not required when wearing a full face respirator).
- Leather Gloves
- Safety toe boots
- Fall Protection as required.
- PPE per MSDS / SDS requirements.

3.23 Pre-Abatement Document Submittal

The GAC shall provide the following submittals to the Owner's Asbestos Competent Person / Safety Department for approval prior to site mobilization.

- ✓ Copies of all worker AHERA / STATE certifications.
- ✓ Copies of all worker asbestos medical evaluations.
- ✓ Copies of all worker respirator fit tests.
- ✓ Copies of MSDS for all chemicals (spray-glue, encapsulant, surfactant etc.) that will be used
- ✓ Asbestos waste receipt / total.

Completed by:

A handwritten signature in black ink, appearing to read 'NDV', written over a horizontal line.

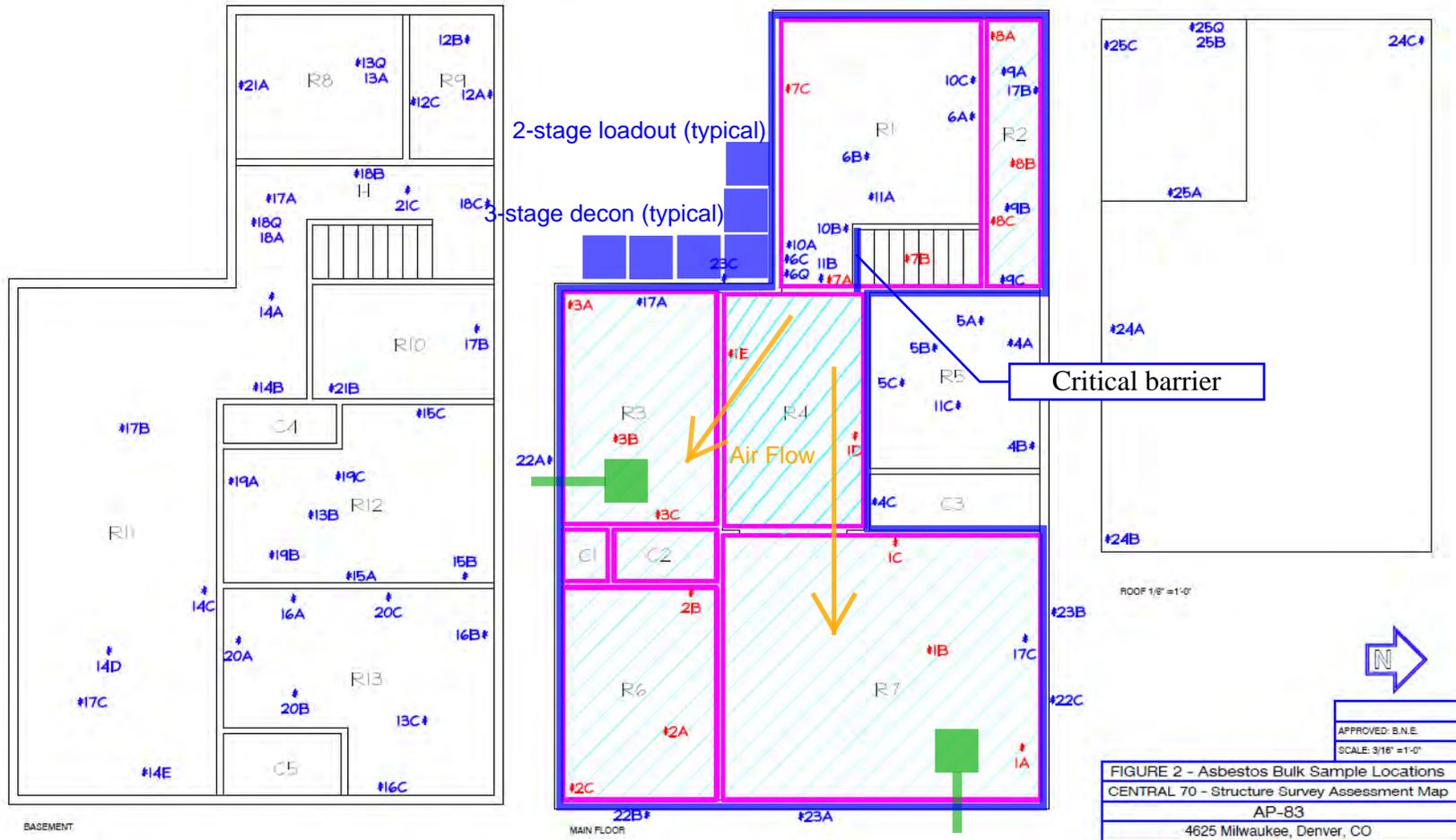
Nicolas D. Vasquez CDPHE Asbestos Project Designer Certificate # 22566

Foothills Environmental Asbestos Consulting Firm CDPHE Registration # 14925

Appendix A

Drawings

ABATEMENT IN FULL CONTAINMENT



- R1 = Room Numbers
- 4B = Asbestos Samples (Detect)
- 4B = Asbestos Samples (Non-Detect)
- [Pink Box] = Positive Asbestos at Ceiling
- [Pink Line] = Positive Asbestos at Walls

APPROVED: B.N.E.
SCALE: 3/16" = 1'-0"

FIGURE 2 - Asbestos Bulk Sample Locations
CENTRAL 70 - Structure Survey Assessment Map

AP-83
4625 Milwaukee, Denver, CO
June 29, 2018
APEC #: 18-3066

ALL-PHASE
ENVIRONMENTAL CONSULTANTS, INC.
721 W 8TH STREET
Pueblo, CO 81003 PH: (719) 545-0375

Drawing excerpted from All-Phase Inspection

4625 MILWAUKEE STREET DENVER, CO (Not to Scale)	FEI Project #AS18207-16 Approved by: DMB	Date: 11/27/18 Drawn By: NDV	Figure 1
	Foothills Environmental, Inc. 11099 W 8 th Avenue Lakewood, CO 80215		Signature:

Appendix B

Certificates



Colorado Department
of Public Health
and Environment

ASBESTOS CONSULTING FIRM

This certifies that

Foothills Environmental, Inc.

Registration No.: ACF - 14925

has met the registration requirements of 25-7-507, C.R.S. and the Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos consulting activities as required under Regulation No 8, Part B, in the state of Colorado.

Issued: January 30, 2018

Expires: January 30, 2019

Authorized APCD Representative

SEAL



Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Nicolas Vasquez

Certification No.: 22566

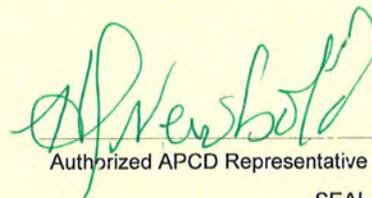
has met the requirements of 25-7-507, C.R.S. and Air Quality Control
Commission Regulation No. 8, Part B, and is hereby certified by the
state of Colorado in the following discipline:

Project Designer*

Issued: February 08, 2018

Expires: February 08, 2019

** This certificate is valid only with the possession of a
current Division-approved training course certification
in the discipline specified above.*


Authorized APCD Representative

SEAL



CHC Training
Nationwide Training & Certification Experts
www.trainingchc.com
303.412.6360
(855) 60.CERTIFY

1775 West 55th Avenue
Denver, CO 80221,
United States of America

CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:

NICOLAS VASQUEZ

In recognition of satisfactory completion of the EPA-approved annual asbestos refresher training course under section 206 of the Toxic Substance Control Act (TSCA) and Colorado Regulation No. 8 entitled

PROJECT DESIGNER

COURSE DATE:	DECEMBER 21, 2017
EXPIRATION DATE:	DECEMBER 21, 2018
COURSE HOURS:	8.0

Verify Credential



Danaya N. Benedetto
Co-Founder & CEO
Training Program Manager

Credential License ID: 11084750



Frank Hulce
Instructor

CHC Training Certificate No.
R17-2200-APD-CO

Visit our Website



6c. Pre-Demolition Engineering Survey

Pre-Demolition Survey
And General Demolition Plan
For
4625 Milwaukee Street
Denver, CO 80216



Engineers: David A. Poe, P.E., S.E.
Glen L. Wilson, E.I.

July 2, 2018
Project No: 180113

July 2, 2018

Stephen P. Di Nardo
JKS Industries, LLC
747 Sheridan Blvd #9A
Lakewood, CO 80214

Re: 4625 Milwaukee Street, Denver, CO 80216
Pre-Demolition Engineering Survey per OSHA 1926.850(a)
And General Demolition Plan

Date of Observation: 06/27/18

Dear Mr. Di Nardo:

At the request of JKS Industries (JKS), a representative from Anchor Engineering, Inc. (AEI) performed a site observation at the above-referenced structure on Wednesday, June 27, 2018.

For the purpose of this report, there is one building on the property. The front elevation of the building faces east and is parallel to Milwaukee Street. At the time of our visit the buildings were vacant.

The purpose of our site visit was twofold:

1. To give an assessment of the current condition of the structures as it relates to structurally related hazards before the proposed demolition activities. OSHA 1926.850 is stated below, along with project specific applicability to the subject building.

- a. **OSHA 1926.850(a):** *Prior to permitting employees to start demolition operations, an engineering survey shall be made, by a competent person, of the structure to determine the condition of the framing, floors, and walls, and possibility of unplanned collapse of any portion of the structure. Any adjacent structure where employees may be exposed shall also be similarly checked. The employer shall have in writing evidence that such a survey has been performed.*

Project Specific Applicability: The information contained in this report satisfies the requirement of this guideline. The subcontractor shall review this report and make a copy available to all employees on the project at the pre-project meeting, and it shall also be included in the job site books.

- b. **OSHA 1926.85(b):** *When employees are required to work within a structure to be demolished which has been damaged by fire, flood, explosion, or other cause, the walls or floor shall be shored or braced.*

Project Specific Applicability: 4625 Milwaukee Street, Denver, CO 80216 has not been damaged by any fire, flood, explosion, or any other event. Therefore, no shoring or bracing is required.

- c. **OSHA 1926.850(c):** *All electric, gas, water, steam, sewer, and other service lines shall be shut off, capped, or otherwise controlled, outside the building line before demolition work is started. In each case, any utility company which is involved shall be notified in advance.*

Project Specific Applicability: The contractor and subcontractor will ensure all electric, gas, water, steam, sewer, and other services are to be cut off prior to any work being performed. Contractor shall confirm with KMP through the pre-demolition check list and present the necessary information in the pre-demolition meetings.

- d. **OSHA 1926.850(d):** *If it is necessary to maintain any power, water or other utilities during demolition, such lines shall be temporarily relocated, as necessary, and protected.*

Project Specific Applicability: The demolition of 4625 Milwaukee Street, Denver, CO 80216 does not require any power, water or other utilities.

- e. **OSHA 1926.850(e):** *It shall also be determined if any type of hazardous chemicals, gases, explosives, flammable materials, or similarly dangerous substances have been used in any pipes, tanks, or other equipment on the property. When the presence of any such substances is apparent or suspected, testing and purging shall be performed and the hazard eliminated before demolition is started.*

Project Specific Applicability: All types of hazardous chemicals, gases, explosives, flammable materials, or other dangerous substances shall be removed from the structure prior to demolition as part of the pre cleaning phase during the environmental remediation. All materials are to be documented, manifested, and included in the environmental close out documents.

- f. **OSHA 1926.850(f):** *Where a hazard exists from fragmentation of glass, such hazards shall be removed.*

Project Specific Applicability: All hazards from fragmentation of glass shall be removed in the normal course of demolition.

- g. **OSHA 1926.850(g):** *Where a hazard exists to employees falling through wall openings, the opening shall be protected to a height of approximately 42 inches.*

Project Specific Applicability: No employees are permitted to enter the structure once demolition begins. Rule applies to interior demolition.

- h. **OSHA 1926.850(h):** *When debris is dropped through holes in the floor without the use of chutes, the area onto which the material is dropped shall be completely enclosed with barricades not less than 42 inches high and not less than 6 feet back from the projected edge of the opening above. Signs, warning of the hazard of falling materials, shall be posted at each level. Removal shall not be permitted in this lower area until debris handling ceases above.*

Project Specific Applicability: No employees are permitted to enter the structure once demolition begins. Rule applies to interior demolition.

- i. **OSHA 1926.850(i):** *All floor openings, not used as material drops, shall be covered over with material substantial enough to support the weight of any load which may be imposed. Such material shall be properly secured to prevent its accidental movement.*

Project Specific Applicability: The building is a single story structure. Refer to the demolition sequencing section of this report for further information.

OSHA 1926.850(j): *Except for the cutting of holes in floors for chutes, holes through which to drop materials, preparation of storage space, and similar necessary preparatory work, the demolition of exterior walls and floor construction shall begin at the top of the structure and proceed downward. Each story of exterior wall and floor construction shall be removed and dropped into the storage space before commencing the removal of exterior walls and floors in the story next below.*

Project Specific Applicability: The building is a single story structure. Refer to the demolition sequencing section of this report for further information.

- j. **1926.850(k)**: *Employee entrances to multistory structures being demolished shall be completely protected by sidewalk sheds or canopies, or both, providing protection from the face of the building for a minimum of 8 feet. All such canopies shall be at least 2 feet wider than the building entrances or openings (1 foot wider on each side thereof), and shall be capable of sustaining a load of 150 pounds per square foot.*

Project Specific Applicability: Not applicable. Building is a single story structure. No employees are permitted to enter the structure once demolition begins.

2. Provide a general outline of the demolition procedures and sequence that is proposed to be used in the demolition of the subject structure. These outlined procedures/sequences are subject to change by AEI and/or the demolition contractor based on the observed response of the structure overall and components thereof during actual demolition operations.

No architectural or structural drawings were provided for our review.

The building is a single-story residential structure and is assumed to be founded on a spread footings. The structure has a full basement with concrete foundation walls and an assumed slab on grade floor. The building is approximately 33'x46' with the long direction oriented east to west. The wall and roof framing is assumed to be composed of dimension lumber framing.

Existing Condition Observation

During our site visit we made visual observations around the building perimeter only. The structure was partially exposed in some areas. All of the existing structural systems that were exposed to view appeared to be in good condition. We saw no evidence of noteworthy structural distress. It is our professional opinion that the possibility of un-planned collapse of any portion of the existing structures is very low. Workers may be allowed in the buildings to prepare them for demolition with such activities as removal of materials or other work that does not involve activities that affect existing structural systems.

Outline of Proposed Demolition Procedures, Equipment, and Sequence

Equipment

We anticipate demolition for this structure to be completed with heavy equipment including:

- "Track-hoe" excavators capable of reaching structural elements to be demolished. Excavators may be equipped at times with buckets/grapples, hydraulically actuated demolition hammers or shears, and other custom extensions for demolition and/or holding elements for temporary stability.
- Small skid steer loaders may also be utilized from time to time during demolition

Demolition Sequencing

General

After the commencement of demolition with heavy equipment, by necessity, structural systems from this point forth will be destroyed. Demolition should proceed as fast as practical until the structure is demolished in its entirety. The lateral stability of the buildings are provided by the perimeter wood-framed walls.

During demolition operations, care must be taken to protect and prevent damage to any active or live utilities both above and below ground. A fire hydrant was observed at the east property line.

During demolition, water will be used to wet down the area that is being demolished prior to starting the demolition. During the demolition process a water spray will be used to minimize the fugitive particulate matter emissions. The ground will be sprayed with water either by water truck or some type of water spray to minimize fugitive particulate emissions from haul trucks and demolition equipment.

Sequence

The residence superstructure may be collapsed into the basement starting at either the east or west sides of the building and proceeding thru the length of the building in the east/west direction. Do not drive equipment on to the footprint of the building until the structure has been collapsed. The north side of the building is in close proximity to the north property line. The property on the north was not scheduled for demolition at the time of our observation. Once the roof, wall, and floor systems are demolished, the slab on grade and foundations can be removed in any sequence.

Closing

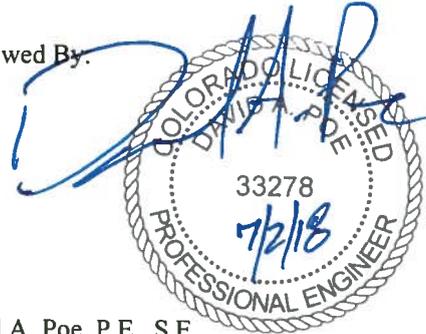
This report constitutes an engineering review and summary of the pre-demolition condition of the structural systems of the subject buildings as well as a general outline of demolition procedures and sequencing. Note that the conclusions drawn are based on visual observations and our expertise and experience with structural engineering of building structures. Unless noted otherwise, no non-destructive or destructive testing of any kind was performed, nor was any formal engineering analysis completed. These procedures/sequences outlined herein are subject to change by AEI and/or the demolition contractor based on the observed response of the structure overall and components thereof during actual demolition operations. Anchor Engineering, Inc. shall be held harmless for damage of any kind to surrounding structures or property or for injury of any kind to any person or persons. The demolition contractor is responsible for jobsite safety. The conclusions presented in this report are based on conditions noted at the time of the observation. Commentary or recommendations regarding environmental issues are beyond the scope of this report. Should questions arise, or if further information is required regarding the content of this report, please contact our office.

Sincerely,
Anchor Engineering, Inc.



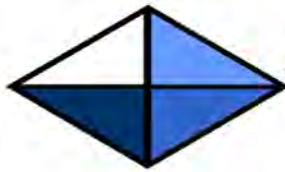
Glen L. Wilson, E.I.
Design Engineer

Reviewed By.



David A. Poe, P.E., S.E.
Principal

7. Asbestos Clearance Report



ALL-PHASE

ENVIRONMENTAL CONSULTANTS, INC.

January 21, 2019

Interior Air Monitoring Clearance (Textured Plaster and Drywall)

Re: AP-83
4625 Milwaukee
Denver, Colorado 80216

To Whom It May Concern:

On, December 19, 2018, Logan Greenfield, Colorado Certified Asbestos Building Inspector and Colorado Air Monitoring Specialist with All-Phase Environmental Consultants, Inc. (APEC), conducted Air Monitoring clearances at the above referenced Subject Property. A visual inspection and air samples were collected inside the abatement containment to ensure that the asbestos fiber counts are below the regulated standard to guarantee this area is safe to re-occupy.

The Containment Air clearance consisted of five (5) 0.08um sampling cassettes, five (5) 1-16 liter per minute pumps, along with Five (5) 20-inch box fans and a one-horse power leave blower used to perform an aggressive clearance of the containment. ***All-Phase Environmental is an approved and certified Colorado Department of Public Health and Environment asbestos laboratory.***

Microscopic inspection of the above mentioned five samples were conducted in the All Phase Environmental PCM laboratory. This inspection verified that ALL the samples taken were at or below 0.01 fiber per cubic centimeter as required by the Colorado Department of Public Health and Environmental standard for a safe room or area. See Lab analytical results attached to this document.

Based on the visual inspection and the analytical results, this area is considered safe to re-occupy.

APEC will not be held responsible for the mishandling of the information contained herein, and/or any items found after December 19, 2018

Please feel free to call with any questions and or concerns.

Sincerely,

Logan Greenfield
Colorado Certified Asbestos Inspector and AMS - 20715



Colorado Department
of Public Health
and Environment

ASBESTOS LABORATORY

This certifies that

All Phase Environmental Consultants, Inc.

Registration No.: AL - 24462

has met the registration requirements of 25-7-507, C.R.S. and the Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos laboratory testing activities, as required by Regulation No 8, Part B, in the state of Colorado.

Issued: April 20, 2018

Expires: April 20, 2019

Authorized APCD Representative

SEAL

8. Materials Summary

February 11, 2019

Megan Wood
 Kiewit Infrastructure Co.
 160 Inverness Drive West, Suite 110
 Englewood, CO 80112

RE: AP-83 4625 Milwaukee St. – Summary of Removed Materials

Dear Megan,

Below is a summary of the materials removed from 4625 Milwaukee St. For more details regarding the location of the Asbestos Containing Materials (ACM) and the asbestos content please refer to the Table 2 of the All-Phase Environmental SSAR (Page 16).

Material Removed	Quantity
Asbestos Containing Textured Drywall	990 SF
Asbestos Containing Plaster	1,746 SF
Non-Friable Asbestos Tiles and Soil	8 CY
Regulated Building Materials	8 Lightbulbs, 6 gal Latex Paint, 1 Microwave, 1 Fridge, 1 AC Unit
Clean Demolition Debris	655,200 lbs

If you have any questions or require further information regarding these quantities, please contact me at 303-238-0207.

Sincerely,
JKS Industries, LLC



Jeffrey Knight
 President

9. Waste Manifests

9a. Asbestos Waste Manifests



ASBESTOS NESHAP WASTE SHIPMENT RECORD

1. Generator ID Number: **N / A** 2. Page 1 of _____ 3. Emergency Response Phone: **800-424-9300** 4. Waste Tracking Number: **2253283**

5. Generator's Name and Mailing Address: **COLORADO DEPARTMENT OF TRANSPORTATION
747 SHERIDAN BLVD UNIT 9A
LAKEWOOD CO 80214**
Generator's Phone: **(303) 512-5909**

Generator's Project Address (if different than mailing address): **AP-83
4625 Milwaukee St.
Denver CO 80216**

6. Transporter 1: Complete Company Name and Address: **5280 WASTE SOLUTION** Transporter Phone: **788410300**

7. Transporter 2: Complete Company Name and Address: _____ Transporter Phone: _____

8. Designated Disposal Facility Name and Site Address: **DENVER ARAPAHOE DISPOSAL
3500 S GUN CLUB RD
AURORA CO 80018**
Facility's Phone: **(720) 876-2620**

9. Waste Shipping Name, Description, & Profile Number	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. RQ, NA 2212, Asbestos, 9,PG III 12677500	40	YDS		NONE
2.				

13. Regulatory Agency: **Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, CO 80222-1530**

Emergency Notification: **CHEMTREC (800) 424-9300
24-hour Toll Free Number**

14. Bill to & Account Number:
Customer Acct #: D 14925 Customer Name: JKS INDUSTRIES

15. Contractor/Generator Certification:
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/ placarded, and are in all respects in proper condition for transportation and disposal according to applicable national and state governmental regulations.
I hereby certify that the above described waste is not a hazardous waste as defined by federal, state or local regulations and does not contain regulated quantities of PCB's or radioactive materials.

Generator's/Officer's Printed/Typed Name: **MEGAN WOOD** Signature: **Megan Wood** Month Day Year: **12 6 18**

16. Transporter Acknowledgement of Receipt of Materials

Transporter 1 Printed/Typed Name: **JOE UNOFFE** Signature: **[Signature]** Month Day Year: **12 21 18**

Transporter 2 Printed/Typed Name: _____ Signature: _____ Month Day Year: _____

17. Special Handling Instructions:
Soil originating from the above site shall not be used as daily cover or sold as clean fill.

18. Discrepancy Indication Space: _____ 19. Ticket #: **3282876**

Initials of Person noting discrepancy: _____ Signature: _____ Date: _____

20. Management Method/Location:
Landfill _____ Monofill **6** Location: _____

21. Designated Disposal Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18

Printed/Typed Name: **Mare Clark** Signature: **[Signature]** Month Day Year: **12 20 18**

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

4.82T

W10150365

CAN 2019

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number N/A

2. Page 1 of

3. Emergency Response Phone 800-424-9300

4. Waste Tracking Number

449028

5. Generator's Name and Mailing Address: COLORADO DEPARTMENT OF TRANSPORTATION 747 SHERIDAN BLVD UNIT 9A LAKEWOOD CO 80214

Generator's Project Address (if different than mailing address): 4P-83 4625 M. Waukeet St. Denver CO 80216

Generator's Phone: (303) 512-5909

6. Transporter 1: Complete Company Name and Address

5980 Waste Solutions LOS W 62ND Ave Denver, CO 80221

Transporter Phone

720 858 40300

7. Transporter 2: Complete Company Name and Address

8. Designated Disposal Facility Name and Site Address: DENVER ARAPAHOE DISPOSAL 3500 S GUN CLUB RD AURORA CO 80018

Facility's Phone:

(720) 876-2620

9. Waste Shipping Name, Description, & Profile Number

NON REGULATED SOLID (NON FRIABLE ASBESTOS) Tile, Dist.

12678600

10. Containers

No. Type

11. Total Quantity

12. Unit Wt./Vol.

NONE

8 40/3

13. Regulatory Agency: Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, Co 80222-1530

Emergency Notification: CHEMTREC (800) 424-9300 24-hour Toll Free Number

14. Bill to & Account Number:

Customer Acct #: D 14925 Customer Name: JKS INDUSTRIES

15. Contractor/Generator Certification:

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/ placarded, and are in all respects in proper condition for transportation according to applicable national and state governmental regulations.

I hereby certify that the above described waste is not a hazardous waste defined by federal, state or local regulations and does not contain regulated quantities of PCB's or radioactive materials.

Generator's/Offeror's Printed/Typed Name

Signature

Month Day Year

Mia Steenkamp on behalf of CBOT

[Signature]

01 07 2019

16. Transporter Acknowledgement of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Robert K. Sasser

[Signature]

1 7 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Special Handling Instructions

18. Discrepancy Indication Space:

19. Ticket #

3290 669

Initials of Person noting discrepancy

Signature

Date

20. Management Method/Location

Landfill ~~_____~~ Monofill 6 Location:

21. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18

Printed/Typed Name

Signature

Month Day Year

Mare Clark

[Signature]

1 8 19

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

9b. Regulated Building Materials (RBMs) Waste Manifests

February 14, 2018

CDOT

RE: Regulated Building Materials Manifests in SSCRs

To whom it may concern;

This letter is to explain the "SSCR Tracking Sheet" JKS Industries prepared for the purpose of documenting the manifests for the Regulated Building Materials (RMBs) included in the SSCR's.

The attached table describes how we have batched the RBM manifests per property. Here is a brief description of each grouping:

- Group 1 Independent: Each of the properties in this group has/will have its own RBM manifest. These manifests will be included in the SSCR for each property.
- Group 2 Pilot: The RBMs were removed from these properties and taken to the Pilot Truck Stop (AP-86). The reason for this, is that the volume was so low it was more cost effective just to lump them in with the Pilot RBMs than to have a separate pickup. There is no way to separate the inventories of these properties from the Pilot. The manifest will be included in the SSCR for each property.
- Group 3 Independent: The RBMs for these properties were removed and taken to the JKS warehouse for a single pick-up. A detailed inventory for these properties will be included in the individual SSCRs as well as a copy of the bulk pick-up manifest.
- Group 4 Not Required: The RBMs for these properties were removed prior to Kiewit taking possession of the property. This will be clarified in each individual SSCR for these properties.
- Group 5 AP-122: The RBMs for these properties were taken to AP-122. The reason for this, is that the volume was so low it was more cost effective just to lump them in with the RBMs at AP-122 than to have a separate pickup. An inventory for these properties were taken and will be included in the SSCR along with the RBM manifest.

An indication as to whether or not RBMs were removed will be found in the "Closeout Letter" portion of each SSCR; any additional notes or details will be found in the "Materials Summary" portion. Please reach out to us if you need any further clarification.



Stephen P. DiNardo

Director of Quality Management, JKS Industries

WASTE BILL OF LADING & CERTIFICATE OF RECYCLING		P/U Fees: \$25 \$30 \$40 \$45 \$55	BOL#: 27201
<input checked="" type="checkbox"/> Universal Waste	4' Jumbo ___ 4' Box ___ 8' Jumbo ___ 8' Box ___	\$65 ___ \$75 ___ \$85 ___ \$95 ___ \$105 ___	Shipment Date: 11/6/18
<input type="checkbox"/> TSCA Waste	HID Box ___ Battery Box ___ 6.5 Gallon Pail ___	\$115 ___ \$125 ___ \$135 ___ \$145 ___ \$155 ___	
<input type="checkbox"/> Special Waste	14-G PD ___ 30-G PD ___ 55-G PD ___ CY Bx ___	Labor Charges: \$ ___	Emergency Contact (877) 331-2149 Extension 4
Generator Of Waste:	95-G PD ___ 55-G SD ___ 85-G SD ___ GL Box ___	Off Spec. Charge: \$ ___	
Name:	Bill To: <u>TKS Inc</u>	Name: <u>TKS Industries</u>	
Address:	Address: <u>747 Sheridan Blvd.</u>	Address: <u>747 Sheridan Blvd.</u>	
City, State, Zip:	City, State, Zip: <u>Lakewood Co. 80214</u>	City, State, Zip: <u>Lakewood Co. 80214</u>	
Contact:	Contact: <u>Jeff Knight</u>	Contact: <u>Jeff Knight</u>	
Phone:	Phone: <u>720-462-4410</u>	Phone: <u>720-462-4410</u>	
Fax:	Fax:	Fax:	
PO#	PO#	PO#	
Job#	Job#	Job#	

WASTE BROKERAGE FACILITY:	EPA ID#: COR000231449
<input checked="" type="checkbox"/> R8E, LLC	Destination Facility For Universal Waste
4810 Newport Street	Large Quantity Handler of Universal Waste
Commerce City Colorado 80033-2244	Hazardous Waste Transporter/Transfer Facility
(p) 303-424-4887 (f) 303-424-9193	Used Oil Transporter/Transfer Facility
Email: Mike@R8Enviro.com	US DOT #: 050108 550 051Q HMP-20746
www.R8Enviro.com	US DOT #1781660 CO TSCA - EPA Approved PCB Handler

Container	Waste Common Name	DOT Description	Total Quantity	Unit / Wt. Volume
2 CF	4' & UNDER FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
	5' & OVER FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	12	ea
	UTUBE FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
	CIRCULAR FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
1 CF	COMPACT FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	49	ea
	HID MERCURY/HALIDE/SODIUM LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	21	ea
	SHIELD/COATED/GROOVED LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
	INCANDESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	36	ea
	UV/ARC/IGNITRON LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
	BROKEN LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
	CRUSHED FLUORESCENT LAMP/S RECYCLING (processed)	Non-DOT Regulated (per 49 CFR 173.164(e))		
	PCB WASTE RECYCLE/INCINERATION/MICROENCAP	RQ, UN3432, Polychlorinated biphenyls, Solid, 9, PGIII, ERG#171		
	NON-PCB BALLAST RECYCLE/MICROENCAPSULATION	Non-RCRA / Non-DOT Regulated Waste		
	ESCRAP RECYCLING	Non-DOT Regulated	110	P
	MERCURY DEVICE RECYCLING	UN3506, Mercury Contained in Manufactured Articles, 8 (6.1), PGIII, ERG#172		
	LEAD ACID BATTERY RECYCLING	UN2794, Batteries, Wet Filled w/ Acid, 8, PGIII, ERG#154		
	ALKALINE BATTERY RECYCLING	Batteries, Dry, sealed, n.o.s. Specail Provision 130		
	NICKEL (Ni-Cad) BATTERY RECYCLING	Batteries, Dry, sealed, n.o.s. Specail Provision 130		
	LITHIUM METAL BATTERY RECYCLING - DOT 173.185(d)	UN3090, Lithium Batteries, 9, PGII, ERG#138		
	LITHIUM Ion BATTERY RECYCLING - DOT 173.185(d)	UN3480, Lithium Batteries, 9, PGII, ERG#138		
	WASTE OIL RECYCLING	Special Waste Liquid	1	GAZ
	WASTE GLYCOL RECYCLING	Special Waste Liquid		
	WASTE AEROSOLS	UN1950, Aerosols, Flammable, 2.1, ERG#126		
71 GALLON	WASTE LATEX PAINT	Special Waste Liquid	71	GAZ
	LOW RADIATION CONTAINING SMOKE DETECTORS	Special Waste Solid, Nuclear Regulatory Law 10 CFR 32.37		
	FIRE EXTINGUISHER(S)	Special Waste Solid		
	METALS RECYCLING	Special Waste Solid		
	MISCELLANEOUS RECYCLING <u>3 MICROWAVES</u>			
	MISCELLANEOUS RECYCLING <u>6 Large Fridges</u>		6	ea

Generator Certification: This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Unpaid invoices will be assigned to a licensed Collection Agency and subject to Collection Agency Fee's, Attorney's Fee's, Court Costs and Interest.

Signature: <u>[Signature]</u>	Title: <u>Operator</u>	Print Name: <u>Jesus Casado</u>	Date: <u>11-6-18</u>
Transporter 1 Name: <u>Jesus Casado</u>	Transporter 2 Name: _____	Phone Number: <u>720-245-1685</u>	Phone Number: _____
Signature: <u>[Signature]</u>	Date: <u>11-6</u>	Signature: _____	Date: _____

Receiving, subject to the classification and regulations in effect on the date of issue of the Bill of Lading, the property described above is in apparent good order. Please retain a copy of this document as the "Certification of Recycling" for the items and quantities listed above.

Signature: [Signature] Date: 11/6/18

August 15, 2019

Kyle Ziegler
Kiewit Infrastructure Co.
3543 East 46th Ave.
Denver, CO 80216

Re: AP-83 SSCR 4625 Milwaukee St – RBM

Kyle,

This letter is in reference to the SSCR for AP-83 related to RBM inventory. JKS removed all the RBM's related to this property per the SSAR. The RBM's removed from this property were disposed of properly in accordance with the EPA regulations. At the time of RBM removal JKS staged RBM's from various properties at one location for pick up and disposal. JKS at the time did not do a thorough inventory of the RBM's for the aforementioned project.

The verification that all RBM's were removed during abatement and prior to demolition was demonstrated in the final visual inspection that was performed by All Phase Environmental. If there were still RBM's in the property at the time of the inspection by All Phase Environmental, JKS would have been notified and would have had to remove the RBM's prior to passing the final visual inspection. Which further demonstrates the RBM's were removed and were not demolished in the property.

The only failure in this matter is that JKS did not properly inventory and manifest the RBM's for this specific property, but JKS is confident that the RBM's were disposed of properly within the bulk RBM consolidation that was properly manifested and disposed of in accordance with the EPA regulations.

If you have any questions or require any further information regarding this letter, please contact me at 303-238-0207.

Thank you,



Jeffrey Knight
President



10. Weight Tickets

10a. Daily Load Trackers and Associated Truck Tickets

Date: 1-7-19

Project: AP-83

Prepared By: Jesus Casado

Dump Site Ticket

Arrival Time	Departure Time	Load #	Truck #	Material Code	Description	Tons/Yards	Dump Site	Number
7:45	8:00	1	CH333	trash	Demo debris	18 yds	Dads	
8:05	8:25	2	CH575	trash	Demo debris	18 yds	Dads	
8:30	8:45	3	CH9F01	trash	Demo debris	18 yds	Dads	
8:50	9:15	4	CH376	trash	Demo debris	18 yds	Dads	
10:15	10:30	5	CH333	trash	Demo debris	18 yds	Dads	
10:35	10:50	6	CH575	trash	Demo debris	18 yds	Dads	
10:50	11:10	7	CH9F01	trash	Demo debris	18 yds	Dads	
11:10	11:25	8	CH376	trash	Demo debris	18 yds	Dads	
12:00	12:15	9	CH333	trash	Demo debris	18 yds	Dads	
12:50	1:05	10	CH575	trash	Demo debris	18 yds	Dads	
1:05	1:20	11	CH9F01	trash	Demo debris	18 yds	Dads	
8:00	8:15	12	CH270	trash	Demo debris	18 yds	Dads	
8:15	8:30	13	CH220	trash	Demo debris	18 yds	Dads	
10:05	10:20	14	CH22	trash	Demo debris	18 yds	Dads	
10:30	10:50	15	CH270	trash	Demo debris	18 yds	Dads	
12:05	12:20	16	CH22	trash	Demo debris	18 yds	Dads	
12:20	12:35	17	CH270	trash	Demo debris	18 yds	Dads	
9:45	10:00	18	CH9F01	trash	Demo debris	18 yds	Dads	
10:05	10:20	19	CH270	trash	Demo debris	18 yds	Dads	
12:30	12:45	20	CH9F01	trash	Demo debris	18 yds	Dads	
12:45	1:05	21	CH270	trash	Demo debris	18 yds	Dads	
2:20	2:35	22	CH9F01	trash	Demo debris	18 yds	Dads	
2:40	2:55	23	CH270	trash	Demo debris	18 yds	Dads	
4:25	4:35	24	CH9F01	trash	Demo debris	18 yds	Dads	
4:35	5:00	25	CH270	trash	Demo debris	18 yds	Dads	

Legend:

Materials:

R = Recycle
T = Trash

Description:

Concrete, Asphalt, Asbestos, Lumber,
Construction Debris, Trash, Metals,

CHACON'S

construction & transport



No. 8098

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: JRS

DISPATCHED BY:

DATE: 01-07-19

JOB DESCRIPTION:

TRUCK # CH 535

TANDEM TRAILER

1-70

MATERIAL

	LOADS	UNLOADS
--	-------	---------

JOB#

1 load

LOAD AT

1 load

4th Floor

1 load

(6)

UNLOAD AT

D.A.D.S

RATE \$

HOURLY TONMILE

START TIME 7:30

STOP TIME 5:00 PM

TOTAL HOURS

9 1/2 hrs

OWNER OF TRUCK:

DRIVER'S NAME

AUTHORIZED SIGNATURE

[Signature]

[Signature]

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACONS

construction & transport



No. 8587

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: JKS

DISPATCHED BY:

DATE: 1/7/18 JOB DESCRIPTION:

TRUCK # CH 376 I-70

TANDEM TRAILER

MATERIAL DEMO DEMO

	LOADS	UNLOADS
JOB#	1	AP 83
LOAD AT MILLWALKER & VANDER	2	AP 83
UNLOAD AT D.A.D.S		(4)
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30		
STOP TIME 2:30		
TOTAL HOURS		
7		

OWNER OF TRUCK:

DRIVER'S NAME

AUTHORIZED SIGNATURE

M. ACIT

AKUS

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACONS

construction & transport



No 42898

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: JKS Industries inc

DISPATCHED BY: CHacon Transport

DATE 1/7/19

JOB DESCRIPTION:
Demo Houses

TRUCK # 6F-01

TANDEM TRAILER

MATERIAL Demo

	LOADS	UNLOADS
JOB# 18603	7:55 * 9:00	- AP - 83
LOAD AT 46 nd Clayton	10:40 * 12:05	AP - 83
	1:15 * 2:20	AP - 83
UNLOAD AT Pads 3500 Gun Club		
RATE \$		
HOURLY <input checked="" type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30		
STOP TIME 4:30pm		
TOTAL HOURS		
9 hrs		
	OWNER OF TRUCK: <u>Primo</u>	

(u)

DRIVER'S NAME
Berito Castillo

AUTHORIZED SIGNATURE
[Signature]

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACONS
construction & transport



No. 8097

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: <i>JKS Const</i>		
DISPATCHED BY: <i>Chacons Const</i>		
DATE: <i>1-17-18</i>	JOB DESCRIPTION:	
TRUCK # <i>CH 333</i>		
TANDEM <input type="checkbox"/> TRAILER <input checked="" type="checkbox"/>		
MATERIAL <i>Demo</i>		
	LOADS	UNLOADS
JOB# <i>18603</i>	<i>loads #</i>	
LOAD AT <i>46th</i> & <i>Fillmore st</i>	<i>8:20</i> <i>dets</i>	<i>Ap 83</i>
	<i>10:15</i> <i>dets</i>	<i>Ap 83</i>
	<i>12:45</i> <i>dets</i>	<i>Ap 83</i>
UNLOAD AT <i>Dads pot</i>		<i>(u)</i>
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME <i>7:30</i>		
STOP TIME <i>5:00</i>		
TOTAL HOURS <i>9.5</i>		
OWNER OF TRUCK:		
DRIVER'S NAME <i>Justin Costello</i>	AUTHORIZED SIGNATURE <i>JKS</i>	
<small>Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.</small>		

CHACONS

construction & transport



No. 44017

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: JKS

DISPATCHED BY: CHACONS

DATE 1-8-19

JOB DESCRIPTION:

TRUCK # 5022

1-70

TANDEM TRAILER

MATERIAL TRASH

	LOADS	UNLOADS
JOB# 18603	1	AP-83
LOAD AT 46TH MILWAUKEE ST	2	AP-83
	3	AP-83
	4	
UNLOAD AT DAD'S LAND FILL		
		(W)
RATE \$		
HOURLY <input checked="" type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30		
STOP TIME 4:30		
TOTAL HOURS		
9 hrs		
OWNER OF TRUCK: JD BRIGHTON		

DRIVER'S NAME

AUTHORIZED SIGNATURE

Osvaldo T

JD Brighton

Not due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACONS

construction & transport



No. 7627

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: JKS Industries Inc
DISPATCHED BY: chalcon
DATE: 01-08-19 **JOB DESCRIPTION:**
TRUCK # 575 Central 70 project
TANDEM **TRAILER**
MATERIAL Demo

15	LOADS	UNLOADS
JOB# 18603	Demo	AP-83
LOAD AT Vasquez/ Milwaukee	Demo	AP-83
	Demo	AP-83
UNLOAD AT Dad's Land Fill		(6)
RATE \$		
HOURLY <input checked="" type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30 AM		
STOP TIME 4:30 PM		
TOTAL HOURS		
9 hrs		
OWNER OF TRUCK: chalcon		

DRIVER'S NAME

AUTHORIZED SIGNATURE

SM

[Signature]

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACONS

construction & transport



Nº 42900

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: <i>Jks industries inc</i>		
DISPATCHED BY: <i>Chacon Transport</i>		
DATE <i>1/9/19</i>	JOB DESCRIPTION:	
TRUCK # <i>GF-01</i>	<i>Central I.70</i>	
TANDEM <input type="checkbox"/> TRAILER <input checked="" type="checkbox"/>	<i>Project Mario</i>	
MATERIAL <i>Demo</i>	<i>Demo</i>	
	LOADS	UNLOADS
JOB# <i>18603</i>	<i>7:40 * 8:35 - 18-304</i>	
LOAD AT <i>46th And Clayton st</i>	<i>10:10 * 11:00 - AP-83</i>	
	<i>12:20 * 1:20 - AP-83</i>	
UNLOAD AT <i>Dads 3500 Gun Club</i>	<i>2:30 * 3:30 - AP-83</i>	
	<i>4:30 * 6:00 - AP-83</i>	
RATE \$		
HOURLY <input checked="" type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME <i>7:30</i>		⑩
STOP TIME <i>6:00 pm</i>		
TOTAL HOURS		
<i>10 1/2 hrs</i>		
	OWNER OF TRUCK: <i>Benito</i>	
DRIVER'S NAME		AUTHORIZED SIGNATURE
<i>Benito Castillo</i>		<i>Benito Castillo</i>

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACON'S
construction & transport



No 50199

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: JKS Industries inc.		
DISPATCHED BY: chacon's		
DATE 1-9-2019	JOB DESCRIPTION:	
TRUCK # 575	Central 70 project	
TANDEM <input type="checkbox"/> TRAILER <input checked="" type="checkbox"/>		
MATERIAL Demo		
	LOADS	UNLOADS
JOB# 18603	Demo	AP-83
LOAD AT clayton st/ 46th	Demo	AP-83
	Demo	AP-83
	Demo	AP-83
	Demo	AP-83
UNLOAD AT Dad's landfill		(9)
RATE \$		
HOURLY <input checked="" type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30 AM		
STOP TIME 6:30 PM		
TOTAL HOURS		
11 hrs	OWNER OF TRUCK: Chacon	
DRIVER'S NAME	AUTHORIZED SIGNATURE	
SM	[Signature]	
<small>Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.</small>		

CHACONS

construction & transport



No. 9089

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: JKS Const		
DISPATCHED BY: Chacons Const		
DATE: 1-10-19	JOB DESCRIPTION:	
TRUCK # CH333		
TANDEM <input type="checkbox"/> TRAILER <input checked="" type="checkbox"/>		
MATERIAL Demo		
	LOADS	UNLOADS
JOB# 18603	Loads #	
LOAD AT	7:45	Deds
46th	10:30	Deds
4	1:00	Deds
Clayton st		
UNLOAD AT		
Deds pct		(b)
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:00		
STOP TIME 5:30		
TOTAL HOURS		
10.5	OWNER OF TRUCK:	
DRIVER'S NAME	AUTHORIZED SIGNATURE	
Justin Costello	[Signature]	
<small>Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.</small>		

10b. Waste Weight Tickets



Denver Arapahoe Disposal
 3500 S Gun Club , PO Box 460397
 Aurora, CO, 80018
 Ph: (720) 876-2620

2470089

Original
 Ticket# 3290661

Customer Name JKSINDUSTRIESLLC JKS Industri Carrier JKS INDUSTRIES JKS INDUSTRIES
 Ticket Date 01/07/2019 Vehicle# 1 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0014925
 State Waste Code Gen EPA ID
 Manifest Grid
 Destination
 PO
 Profile ()
 Generator

Time	Scale	Operator	Inbound	Gross	2 lb*
In 01/07/2019 06:58:17	MANUAL WT	aramirez		Tare	1 lb*
Out 01/07/2019 06:58:17		aramirez		Net	1 lb
		* Manual Weight		Tons	

Comments 11 loads central 70 project = 187yds total 1/7/19

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1 CDY-CONST DEBRIS - 100		187.00	Yards				

Total Fees
 Total Ticket



11x17-187

Date: 1-7-19

Ticket#: Ap-83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS _____ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: Justin Castillo

Date: 1-7-19

Ticket#: AP-83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS _____ ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: _____

Date: 1-7-19

Ticket#: AP-83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS 25 YDS HIGHSIDES

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: M.A.C.H

Date: 1-7-19

Ticket#: AP-83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS 25 YDS HIGHSIDES

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: Rmb



2543886

Denver Arapahoe Disposal
3500 S Gun Club , PO Box 460397
Aurora, CO, 80018
Ph: (720)-876-2620

Original
Ticket# 3291538

Customer Name	JKSINDUSTRIESLLC	JKS Industri	Carrier	JKS INDUSTRIES	JKS INDUSTRIES
Ticket Date	01/08/2019		Vehicle#	1	Volume
Payment Type	Credit Account		Container		
Manual Ticket#			Driver		
Hauling Ticket#			Check#		
Route			Billing #	0014925	
State Waste Code			Gen EPA ID		
Manifest			Grid		
Destination					
PO					
Profile	()				
Generator					

	Time	Scale	Operator	Inbound	Gross	2 lb*
In	01/08/2019 07:04:18	MANUAL WT	aramirez		Tare	1 lb*
Out	01/08/2019 07:04:18		aramirez		Net	1 lb
			* Manual Weight		Tons	
Comments	10 loads for central 70 project 306-14925-- 1/8/19					

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 CDY-CONST DEBRIS - 100		170.00	Yards				

Total Fees
Total Ticket

402WM-N
Driver's Signature



Date: 1-8-19

Ticket#: AP-83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: DRIVER: SUAIPO T

Date: 1-8-19

Ticket#: AP-83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: DRIVER SUAIPO T

Date: 1-8-19

Ticket#: AP-83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: *[Signature]* DRIVER

Date: 1-8-19

Ticket#: AP-83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: *[Signature]* DRIVER



2543894

Denver Arapahoe Disposal
3500 S Gun Club, PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3292279

Customer Name	JKSINDUSTRIESLLC	JKS Industri	Carrier	JKS INDUSTRIES	JKS INDUSTRIES
Ticket Date	01/09/2019		Vehicle#	1	Volume
Payment Type	Credit Account		Container		
Manual Ticket#			Driver		
Hauling Ticket#			Check#		
Route			Billing #	0014925	
State Waste Code			Gen EPA ID		
Manifest			Grid		
Destination					
PO					
Profile	()				
Generator					

	Time	Scale	Operator	Inbound	Gross	2 lb*
In	01/09/2019 07:29:37	MANUAL WT	aramirez		Tare	1 lb*
Out	01/09/2019 07:29:37		aramirez		Net	1 lb
			* Manual Weight		Tons	

Comments 12 loads central 70 project 1/9/19 = 204 yds total for 306-14925

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Product	LD%	Qty	UDM	Rate	Fee	Amount	Origin
1 CDY-CONST DEBRIS - 100		204.00	Yards				

Total Fees
Total Ticket

402WM-N

Driver's Signature



Date: 1-9-19

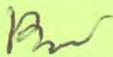
Ticket#: AP-83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature:  DRIVER 12 loads x 17 = 204 yds total

Date: 1-9-19

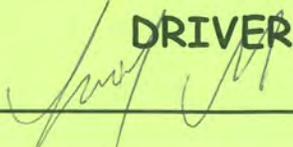
Ticket#: AP-83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS / 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature:  DRIVER

Date: 1-9-19

Ticket#: Ap-83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: [Signature]

Date: 1-9-19

Ticket#: Ap 83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: [Signature]

Date: 1-9-19

Ticket#: AP-83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓

25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: *But*

Date: 7-9-19

Ticket#: AP-83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓

25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: *But*

Date: 1-9-19

Ticket#: AP 83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: _____
DRIVER
[Handwritten Signature]

Date: 1-9-19

Ticket#: AP-83

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: _____
DRIVER
[Handwritten Signature]

[Handwritten mark]



2477129

Denver Arapahoe Disposal
3500 S Gun Club , PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3293150

Customer Name	JKSINDUSTRIESLLC	JKS Industri	Carrier	JKS INDUSTRIES	JKS INDUSTRIES
Ticket Date	01/10/2019		Vehicle#	1	Volume
Payment Type	Credit Account		Container		
Manual Ticket#			Driver		
Hauling Ticket#			Check#		
Route			Billing #	0014925	
State Waste Code			Gen EPA ID		
Manifest			Grid		
Destination					
PO					
Profile	()				
Generator					

	Time	Scale	Operator	Inbound	Gross	2 lb*
In	01/10/2019 13:59:03	MANUAL WT	SLA		Tare	1 lb*
Out	01/10/2019 13:59:03		SLA		Net	1 lb
			* Manual Weight		Tons	

Comments

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	CDY-CONST DEBRIS - 100	126.00	Yards				

Total Fees
Total Ticket



11. Dump Diversion Summary

JKS Industries

AP-83: 4625 Milwaukee St.

Descriptions		Dump Diversion / Recycle %								
Phase	Activity	Unit of Measure	# of Yards per Container	# of Containers	Total Number of Yards	Pounds Per Yard **	Total Lbs	Recycled Yes/No	Pounds of Recycle or Dump Diversion	% of Recycle or Dump Diversion
Abatement	Trash Rolloff	Cubic Yard	-	-	-	450.00	-			
Abatement	Asbestos Containers	Cubic Yard	-	-	-	500.00	-			
Demolition	Demolition Construction Debris	Cubic Yard	18	26	468.00	1,400.00	655,200			
Demolition	Concrete Debris	Cubic Yard	12	-	-	4,050.00	-	x	-	0.00%
Demolition	Trees	Cubic Yard	-	-	-	500.00	-	x	-	0.00%
Demolition	Steel	Lbs	-	-	-	-	-	x	-	0.00%
Demolition	Copper	Lbs	-	-	-	-	-	x	-	0.00%
				26	468.00		655,200		-	0.00%

STUDY NOTES

- 1 The source material used for the Volume to Weight conversions came from Waste Management web site.
- 2 Conversions ratio's have been modified based on estimated compaction.

12. Containment Entry/Exit Log

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date: 12/7/18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Wilmes A Jr	7:00	11:30	12:00	3:30
2. Monica B	7:00	11:30	12:00	3:30
3. Ricardo F	7:00	11:30	12:00	3:30
4. Alfredo R	7:00	11:30	12:00	3:30
5. Tania P	7:00	11:30	12:00	3:30
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: Ap 83

Job #: 18 319

Date: 12
11 10 18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Wilmer A	7:15	11:30	12:00	3:20
2. TANIYA P	7:10	11:30	12:00	3:20
3. Ricardo F	7:15	11:30	12:00	3:20
4. MONICA B	7:10	11:30	12:00	3:20
5. Alfredo R	7:15	11:30	12:00	3:20
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: Ap 83

Job #: 18 319

Date: 12 ~~18~~ ¹¹ 18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Wilmer A	7:00	11:30	12:00	3:20
2. MONICA B	7:15	11:30	12:00	3:20
3. Ricardo F	7:00	11:30	12:00	3:20
4. Alfredo R	7:00	11:30	12:00	3:20
5. TANIA P	7:15	11:30	12:00	3:20
6. Juan Carlos	7:15	11:30	12:00	3:20
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP 83

Job #: 18314

Date: 12 12 18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. MONICA B	7:10	11:30	12:00	3:15
2. TANIA P	7:10	11:30	12:00	3:15
3. ALFREDO R	7:20	11:30	12:00	3:15
4. JUAN CARLOS L	7:20	11:30	12:00	3:15
5. RICHARD F	7:20	11:30	12:00	3:15
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP 122

Job #: 18 319

Date: 12 13 18

	NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1.	ALFREDO R	7:10	11:00	11:30	3:30
2.	MONICA B	7:10	11:00	11:30	3:30
3.	TANIA P	7:10	11:00	11:30	3:30
4.	RICARDO F	7:10	11:00	11:30	3:30
5.	WILMER A	7:10	11:00	11:30	3:30
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: Ap 122

Job #: 18 319

Date: 12 14 18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Wilmer A	7:10	11:00	11:30	3:30
2. Monica B	7:10	11:00	11:30	3:30
3. Yanira P	7:15	11:00	11:30	3:30
4. Ricardo F	7:15	11:00	11:30	3:30
5. ALFREDO R	7:15	11:00	11:30	3:30
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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16.				
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20.				

13. Daily Logs

JKS INDUSTRIES LLC DAILY PROJECT LOG

Job # 18-319
Date 10 5 18

Job Name: Ap 83
Day WED Month _____

Report # _____
Year 2018

Project Manager Dinardo

Superintendent Neil

Work Performed Today	Weather: _____	
7:00 Stretch & Dead Work plan & Safety Briefs	Temp. Hi <u>26°</u> Low <u>7°</u>	
Construction of Direct load out continues - Criticals and Negative Air established @ this point. Additional floors and walls prioritized within containment.	Safety Meeting	
Generator and water tanks at the onsite and in order - Power inside containment being hung off of floor	Topic: _____	
Install hard barrier in R-1 over stairwell. Barrier is flimsy do not step on walk zone. Crew has been informed	Work Force	
First layer of poly installation in Rooms R6-R7 C-1-C2- 3 -R-3 and R-4	Number	
DTL RFL	Project Manager	
End of Day Report The whole unit needs 2nd layer of poly including Dead. Probably need one more day before we get hot	Project Supervisor <u>1</u>	
	Operators	
	Laborers <u>6</u>	
	Tradesmen	
	Other: _____	
	Other: _____	
	Other: _____	
	Materials Used	
	Quantity	
	6 mil poly	X 2
	4 mil poly	X 2
	4" Red Tape	X 2 cases
	Spray gel	X 2 box
	Material Purchased/Delivered	

Problems - Delays, Safety Issues

NA

Subcontractor Progress

NA

Inspections

NA

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
NA				

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
NA		

JKS INDUSTRIES LLC DAILY PROJECT LOG

Job # 18 319

Job Name: Ap 83

Report # _____

Date 12 11 18

Day TUESDAY

Month DEC

Year 2018

Project Manager

DINARDO

Superintendent

Neil

Work Performed Today	Weather: <u>Mostly Sunny</u>	
Work plan & safety brief - stretch and bend. Demo in	Temp. Hi <u>37</u> ° Low <u>29</u> °	
Room R3 & R6. Insulation to be removed and used	Safety Meeting	
to fill dumpster. Bulk Removal 95% complete by 11:00 am	Topic: <u>Dust control</u>	
We will make it to detail phase today	Work Force	Number
Discover exterior roof of old house inside structure ^{structure}	Project Manager	
Will be clean and treated like normal.	Project Supervisor	1
Also found found cavities seen poor ways behind	Operators	
All walls surrounding R-5 but not adjacent C3.	Laborers	6
Call Super. One man down after lunch Wilmer A Jr.	Tradesmen	
	Other:	
	Other:	
	Other:	
	Materials Used	Quantity
	Roll of ACM bags	x 1
	Spray glue	x 4
	Roll of 3" Tape	x 2
	Gallons of water	x 27
	Material Purchased/Delivered	

Problems - Delays, Safety Issues

Subcontractor Progress

NA

Inspections

NA

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
<u>NA</u>				

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
<u>Columbia</u>	<u>11:30A - 11:44 A</u>	<u>Deliver a porta potty</u>
<u>Jor Guther United Rental</u>	<u>12:00 - 12:10 P</u>	<u>Roll a generator off the site</u>

